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ANNUAL REPORT

—OF THE—

HARBOR BOARD

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1888.

Harbor Board of Baltimore,

JANUARY, 1889.

F. C. LATROBE, MAYOR,
President Ex-officio.

JAMES S. WOODSIDE,
Secretary.

JOHN W. McCOY,
WILLIAM H. SKINNER, } *Executive Committee.*

ALEXANDER JONES,

EDWARD ROELKEY,

GEORGE W. MOORE,

N. H. HUTTON, *Engineer.*

J. H IRVIN, JR., *Clerk.*

Maryland
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1888

REPORT

OFFICE OF THE HARBOR BOARD,

BALTIMORE, January, 1889.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

We would respectfully submit the following report of operations of the Harbor Board, for the year ending December 31, 1888.

For the needs of this Department of the City government, the following appropriations were made:

Harbor (including repair and maintenance of tug, harbor and river relief in winter, also all expenses of general administration, &c.)	$50,000 00
Repairs of Wharves	3,286 77
New Wall in City Dock	8,000 00
Sea Wall at Little Hawkins' Point	4,000 00
Maintenance and Repair of Ice Boat	14,000 00
Resurvey of Harbor and Maps	500 00
Making a total of	$79,786 77

To meet the varying exigencies of the several works, and by virtue of Resolutions of the Mayor and City

Council of September 22, and December 4, 1888, the following transfers of money were made:

From "Repairs of Wharves" to "Sea Wall at Little Hawkins Point"	$ 600 00
From "Ice Boat" to "New Wall in City Dock"	1,500 00
From "Harbor" to "Repairs of Wharves"	915 93

In June, a contract was entered into with Mr. L. J. Fobes, (the lowest bidder), for all dredging required for the year, at prices as shown in the tabular statements accompanying this report.

During the year, under this contract, there was removed from Harbor and Channels, Back Basin and Docks, and Middle Branch (or Spring Gardens), 225,299 cubic yards, at a gross cost (including all expenses for office, general administration, maintenance and repair of tug "Baltimore," &c.) of $49,064.10, or about 21¾ cents per cubic yard.

GROSS COST OF DREDGING.

The gross cost of this work per cubic yard, was $4\frac{15}{100}$ cents greater than for the work of 1887; this difference is mainly due to the increased price per yard paid to the contractor, which was $2\frac{35}{100}$ cents in excess of 1887, the remaining difference being made up by the less number of cubic yards excavated, among which is divided the fixed expenditures (such as office and tug expenses) which are about the same, whether a greater or a less quantity of material be removed.

ORDINANCE No. 44, OF 1886.

It seems quite possible that Ordinance No. 44, of 1886, confining contracts for such work to citizens of Baltimore, may have something to do with the increased prices of dredging, and therefore, this Board recommends that the said ordinance be so amended as to authorize the work to be given to the lowest responsible bidder.

LOCATION OF DREDGING.

In the Harbor and Basin deposits were removed over an area of nearly twenty-three acres and to depths varying from nineteen feet to twenty-seven feet at mean low water, the excavation amounting to 125,238 cubic yards.

In the various docks (as set forth in the Engineer's report), and in the City Dock, (or Back Basin) an area of about nine acres was dredged over, with an excavation of 52,430 cubic yards. In the Middle Branch, (Spring Gardens), the excavation amounted to 47,631 cubic yards, over an area of nearly eleven acres.

The whole dredging done covered an area of nearly forty-three acres, with an average depth of cutting of 3¼ feet.

RESULTS OF WORK IN 1888.

The results of this work embraced the removal from City Dock of all deposits *above* fourteen feet depth at low water; the removal of sewer and other deposits from ten (10) docks (or slips).

The removal of a shoal to twenty-two feet along the north side of the Basin opposite the mouth of Jones Falls.

The re-establishment of twenty-four feet depth above Fell's Point, from Brown's wharf to Henderson's wharf.

The addition of ninety feet in width to the twenty-four feet deep channel on the east side to the lower harbor, from the Northern Central R. R. Co.'s Elevator to the Baltimore and Ohio R. R. Co.'s Ferry Slip.

And the removal to 27 feet at low water of all material *above that depth* and *below* a line drawn from Baltimore and Ohio Pier 32, to Northern Central Elevator, so that deep draught vessels can now pass across the lower harbor between the Elevators.

In the Middle Branch the depths of 12 and 15 feet were re-established where necessary, in both main and lateral channels, including a cut 200 feet by 400 feet just below the "draw" in Light Street bridge, where the water had shoaled to such extent as to interfere with the passage of vessels of 14 feet draught through the draw.

WORK OF THE GENERAL GOVERNMENT,

During the year, under direction of Col. W. P. Craighill, the Brewerton Division of the Ship Channels has been widened to 400 feet for a depth of 27 feet, involving the removal of over 500,000 cubic yards of material.

In this connection, we renew the former suggestions of the Board that more buoys are required for our ship channels, and greater care as to their proper location and preservation, on the part of the proper officers of the National Government.

HARBOR MAPS AND SURVEY.

The re-survey of harbor and the maps of same have been completed and photo-lithographic copies made and distributed as required.

NEW WALL IN CITY DOCK.

During the early portion of the year about 100 feet linear of new wall was built under the contract of Mr. Wm. R. Weaver, and at a later date under a contract with Messrs. Ross & Sanford, (the lowest bidders after due advertisement, &c.), 253 feet linear in addition were built, completing the new wall along south side of Centre Pier and across head of the South Dock, along Caroline street; leaving only the south side of Basin from Caroline street to Draw-bridge to be re-built, to complete the original project of substituting in this Basin, for the old decayed wooden bulkhead, a stone wall on such foundations, as will permit with perfect safety to the walls, a depth of from fifteen to seventeen feet of water at mean low tide.

About 2860 feet of this new wall have been built under direction of the Board. The expenditures on this account during the year have been $8,144.14.

WHARF REPAIRS.

Owing to the failure of old bulkheads, quite extensive repairs were required and made at Long Dock and on Pratt street near Light street; about one hundred feet linear of stone bulkhead, and pile and timber foundation was built at *each* of these places. The wooden platforms on both sides of Long Dock were repaired for several hundred feet in length and slight repairs were made to Bowly's Wharf and City Wharf at Pratt street, and to bulkheads at Camden street and Broadway. Expenditures on this account amounted to $3,602.70.

SEA WALL AT LITTLE HAWKINS' POINT.

The work on this protection of the site of the Quarantine station was completed during the year, except about 860 feet of coping to the wall. During the year 457½ feet linear of wall has been built and about 350 feet of bank graded.

The Sea Wall has now been extended around the entire City water front and is 2,045½ feet long. Expenditures in 1888 on this account have been $4,597.77, which includes $597.77 of the $600 transferred to this account from the appropriation for repairs of wharves.

ICE BOAT.

The steamer "Latrobe" was engaged from January 19 to February 18, or about one month, in the work of harbor and river relief from ice. During the summer

twelve (12) excursions were made to Chesterwood in the interest of the Free Summer Excursion Society, carrying about fourteen thousand (14,000) beneficiaries and others. The wheels and machinery of the boat have been overhauled and repaired.

A novel apparatus for signalling between the pilot house and engine room, has been put in at small cost, which seems likely to be able to prevent entirely all danger of misunderstanding the wishes and intentions of either the pilot or engineer.

The boat is in excellent condition and ready for service at any moment. Expenditures on this account amounted to $12,144.36.

For further information and details, reference is asked to tabular statements of expenditures and work done.

REQUIREMENTS FOR WORK OF 1889.

For the necessary work of the Board during 1889, we would recommend the following appropriations:

For Harbor, (including Middle Branch)		$50,000 00
For Ice Boat, unexpended balance,	$ 355 64	
new appropriation,	11,644 36	
		$12,000 00
For Repairs of Wharves		4,000 00
Amount carried forward		$66,000 00

Amount brought forward		$66,000 00
For New Wall in City Dock		
unexpended balance	$1,355 86	
new appropriation	8,644 14	
		$10,000 00
For Bulkhead at Little Hawkins' Point		3,000 00
For Sea Wall at Old Marine Hospital		10,000 00
Making a total of		89,000 00
Of which there is of unexpended balances		1,711 50
Leaving for new appropriations		$87,288 50

The appropriation of $10,000 for commencing the work of rebuilding the dilapidated sea wall at Old Marine Hospital is urgently needed as set forth in the last annual report of the Board.

On behalf of the Board,

WM. H. SKINNER,
JAS. S. WOODSIDE,
Committee.

Approved by the Board:
JAS. S. WOODSIDE, *Secretary.*

Engineer's Report.

Statement of Contracts Let and Work Done (Dredging, New Wall in City Dock, Re-survey of Harbor, Repairs to Wharves, and Bulkhead at Little Hawkins' Point), During 1888, under Supervision of the Harbor Board.

BY WHOM DONE.	KIND OF WORK.	DATE OF CONTRACT.	PRICES.	WORK DONE.
L. J. Fobes	Dredging	July 3d, 1888	14 cents per cubic yard.	123,578 cubic yards.
" "	"	" " "	19 " " "	52,430 " "
" "	"	" " "	15 " " "	47,631 " "
" "	"	Special agreement	25 " " "	1,660 " "
Wm. R. Weaver	New Wall in City Dock	April 23, 1887	$2,521 30	Completed.
Ross & Sanford	" " " "	June 26, 1888	4,805 52	"
Harbor Board	General repairs to wharves (labor and material)		3,602 70	"
" "	Bulkhead at Little Hawkins' Point (labor and material)		4,597 77	"
" "	Re-survey of harbor and maps		401 70	"

LOCATION OF DREDGING.	APPROXIMATE AREA DREDGED.	DEPTH OF WATER OBTAINED.
Middle Branch	476,520 square feet.	12 to 15 feet.
Harbor and channels generally	995,610 " "	19 to 27 "
Back Basin and docks	396,000 " "	12 to 16 "

SUMMARY OF RESULTS.

YEAR.	AREA DREDGED.	AVERAGE DEPTH OF CUTTING.	TOTAL EXCAVATION.
1888	1,868,130 square ft	3 feet 3 inches.	225,299 cubic yds.
1876 to 1887 inclusive	29,696,740 "	5 " 3½ "	5,813,629 " "
Total, 1876 to 1888 inclusive	31,564,870 "	5 " 2 "	6,038,928 " "

N. H. HUTTON, *Engineer Harbor Board.*

Statement of Receipts and Disbursements of the Harbor Board of Baltimore for the Year Ending December 31, 1888.

	HARBOR.		ICE-BOAT.		REPAIRS TO WHARVES.		NEW WALL IN CITY DOCK.		BULKHEAD AT LITTLE HAWKINS' POINT.		RE-SURVEY OF HARBOR AND MAPS.	
Appropriation for work of 1888		$50,000 00		$14,000 00		$3,286 77		$8,000 00		$4,000 00		$500 00
Amount transferred as per Resolution No. 146, approved September 22, 1888					$600 00					600 00		
Amount transferred as per Resolution No. 1, approved December 4, 1888	$915 93		$1,500 00			915 93		1,500 00				
Available money for work of 1888		49,084 07		$12,500 00		3,602 70		9,500 00		4,600 00		500 00
Expenditures as follows:												
Advertising	$ 30 31						$ 21 94					
Contracts for dredging and bulkhead in City Dock	34,822 27						7,326 82					
Fuel	832 30		$1,360 12									
Incidental expenses	467 57		31 00				127 50					
Insurance			100 00									
Labor and material for repairs to wharves and bulkhead at Little Hawkins' Point (work done by the Harbor Board)					$3,602 70				$4,597 77			
Repairs to tug and ice-boat	523 78		1,898 58									
Re-survey and maps											$401 70	
Salaries and wages	11,823 49		7,522 56				667 88					
Steamboat supplies	564 38		1,232 10									
Unexpended balances	19 97		355 64				1,355 86		2 23		98 30	
	$49,084 07	$49,084 07	$12,500 00	$12,500 00	3,602 70	$3,602 70	$9,500 00	$9,500 00	$4,600 00	$4,600 00	$500 00	$500 00

N. H. HUTTON, *Engineer Harbor Board.*

REPORT.

ENGINEER'S OFFICE, January, 1889.

To the President and Members
of the Harbor Board of Baltimore:

GENTLEMEN:

I have the honor to submit herewith my "report of operations" during the year ending December 31st, 1888.

HARBOR.

For the general maintenance and improvement of the harbor, including the Middle Branch of the Patapsco (known commonly as Spring Gardens), there was appropriated for the year by the Mayor and City Council $50,000.

Charges against appropriation.

This appropriation, by custom, has charged to it *all* of the expenses of office, general administration of all works under direction of the Board, and of the maintenance and expenses of the Tug *Baltimore*, including harbor and river relief in winter.

Auction dues.

This sum furthermore necessarily includes all moneys (under $20,000 per annum) paid

to the State for tax on auction sales, which is not directly paid to or received by the Harbor Board, though they are, by both City and State enactments, made specifically responsible for its receipt and disbursement.

DREDGING.

After due advertisement, proposals for dredging to be done during the year, were opened on June 21st, 1888, as per following abstract:

ABSTRACT OF BIDS FOR DREDGING.

Opened June 21, 1888.

Bidders.	Harbor and Channels.	Back Basin and Docks.	Spring Gardens.
	Per cubic yard.	Per cubic yard.	Per cubic yard.
L. J. Fobes	14 cents.	19 cents.	15 cents.
Canton Dredging Co.	14¼ "	19¼ "	15¼ "
Baltimore Dredging Co.	15 "	19½ "	16 "
C. W. Nelson, Jr.	14 3/10 "	19 3/10 "	15 7/10 "
Samuel P. Wilson	14½ "	20 "	16 "

Contract awarded.

The contract was awarded to Mr. L. J. Fobes, the lowest bidder, who commenced operations on July 10th, 1888, and completed the removal of all such material as the appropriation would permit on September 7th, 1888, having excavated and removed:

From Back Basin and Docks. 52,430 cu. yds. Work done.
" Harbor and Channels. 125,238 "
" Middle Branch..... 47,631 "

Making a total of.....225,299 "

The total amount paid to contractor for this work was $34,822.27, or about $15\frac{45}{100}$ cents per yard, which is above last year's prices $2\frac{35}{100}$ cents. Cost.

The gross amount paid out under this appropriation for dredging, supervision of dredging, maintenance and repair of *Tug Baltimore*, and all office and general administration expenses for *all* works of the Board was $49,064.10, which may be apportioned as follows:

Paid contractor..... $15\frac{45}{100}$
" account supervision of dredging and general expenses of office. $2\frac{50}{100}$
" account maintenance and repair of Tug..... $2\frac{50}{100}$
" account surveys before and after dredging....(per yard) $1\frac{32}{100}$

or a gross total per cubic yard of.... $21\frac{77}{100}$

It must be taken into consideration in this connection, that in order to conduct the Harbor operations of the Board, there must be certain *fixed* charges for main office, tug, &c., which are independent of the

amount of dredging done, so that the higher the prices paid to contractors and the less the number of cubic yards removed, the greater these expenses seem to be per annum when apportioned to the number of yards excavated, while in reality they do not perceptibly vary from one year to another.

Results of dredging.

The results of this dredging were as follows:

From Back Basin (City Dock) the removal of all deposits above fourteen feet at low water, over its entire area where needed, and up Jones' Falls to within a few hundred feet of Canton-avenue Bridge, covering an area of about twenty thousand square yards.

Sewer deposits.

The removal of sewer deposit and street washings from Pratt and Light streets, Bowly's Wharf, four (4) docks on Light street and docks at foot of Broadway, William street, Washington, Ann and Hughes streets, covering an area of about twenty-four thousand square yards.

Harbor.

In the Main Harbor, cuts were made to twenty-two feet depth, for about twelve hundred feet length by one hundred and thirty-five feet in width, off mouth of

Jones' Falls, to restore the twenty-two foot channel passing on north side of Harbor.

About Fell's Point, from Cotton Press to Henderson's Wharf, the twenty-four foot depth was restored and enlarged by numerous cuts, covering an area of about eighteen thousand square yards.

Along south side of the Basin, from Clark & Company's Shops to Boyce's Wharves, a cut was made ninety feet wide by one thousand feet long, to nineteen feet depth, and one, forty-five feet by fifteen hundred feet long.

In the lower harbor, the twenty-four feet deep channel, on east side, was widened ninety feet, for a length of nineteen hundred and forty feet; cuts four hundred feet long, aggregating four hundred and ninety-five feet in width by twenty-seven feet in depth, were made to connect the twenty-seven foot channels on east and west sides of the harbor, so that vessels can pass directly across the harbor between the elevators. A hard shoal in front of Grafflin's pier was removed to twenty-four feet over an area of about seventeen hundred square yards.

Cuts averaging ninety feet by five hundred and forty-five feet, were also made to

twenty-four feet depth, along the east side of harbor entrance, to relieve the passage of heavy steamers to piers, elevators, &c., on Canton side of harbor.

Middle Branch.

In the Middle Branch, the main and lateral ship channels were cleared of all deposits over twelve and fifteen feet below low water, including the removal of a considerable portion of the shoal at the mouth of Chatsworth Run.

It was also found necessary to make cuts to fifteen feet depth, just below the draw in Light-street Bridge, over an area two hundred by four hundred feet, to enable vessels to pass safely through the draw.

Area of dredging.

The total area dredged over was about two hundred and seven thousand five hundred and seventy-one square yards, and the material removed was two hundred and twenty-five thousand two hundred and ninety-nine *cubic* yards, consequently the average depth of excavation was one and eight-hundredths yards, or say three and one-quarter feet.

WORK OF THE NATIONAL GOVERNMENT ON SHIP CHANNELS.

Under appropriations made during the summer of 1888, Colonel Craighill resumed operations in October, in the Brew-

erton Channel, which has during the year been substantially widened from two hundred and seventy-five feet to four hundred feet with a depth of twenty-seven feet at mean low water.

And while some dredging yet remains to be done at the angles of its intersection with the "cut-off" and Fort McHenry channels, it may be stated that the scheme of ship channel improvements to this port has advanced to a continuous channel twenty-seven feet deep and four hundred feet wide, to a point about one and a half miles below Fort Carroll, from whence to the City there exists a twenty-seven feet deep channel about two hundred and fifty feet wide.

Buoying Channels.

The recent groundings and accidents in the avenues to this port would seem to reinforce with great strength the statement of the last annual report, that *both sides* of all dredged channels should be "buoyed."

NEW BULKHEAD CITY DOCK.

For continuing the work of replacing the old wooden bulkhead surrounding this basin, by a stone wall on new pile and timber foundations, which would permit depths of fifteen feet of water to be maintained, without injury to the walls,

Appropriation.

There was appropriated..... $8,000
And by Resolution No. 1, December 4, there was transferred from appropriation for ice-boat..... 1,500

Making an available total of..... $9,500

During the early spring, the contractor for work of 1887, being unable to complete his work, about seventy-five feet of wall was built by an arrangement with the contractor and his assignee or attorney.

After due advertisement, proposals for additional work were opened, as per following abstract of bids:

ABSTRACT OF BID.

For new wall in City Dock, opened June 21, 1888.

BIDDER.	Excavations, grading paving, &c., per 100 ft.	Yellow pine piles driven and cut off.	Oak piles driven and cut off.	For all timber in place per M feet, B. M.	For all iron per pound.	For all Masonry per cubic yard.	For coping in place per linear foot.
Ross & Sanford.	$400	$3.50	$6 50	$25.00	3¼c.	$6.00	$2.50

Messrs. Ross & Sanford being the only bidders and their prices, while higher than those of former contracts in some items, not being unreasonable, the contract was awarded to them.

During the year they constructed two hundred and fifty-three feet linear of stone wall on new pile and timber foundations, with fender log on white oak piles, for which they were paid $4,805.52, or about $19.00 per foot linear. Work done and cost.

The total expenditures for the year, including accounts on Weaver's contract accruing in 1888, supervision and all expenses were $8,144.14. Leaving an unexpended balance of $1,355.86. Expenditures.

The work done by Ross & Sanford completes the project from mouth of Jones' Falls, all around north side of Basin and Centre Pier, and across the head of the south dock on Caroline street, amounting to about twenty-eight hundred and sixty linear feet of new work, and leaving about eight hundred linear feet to complete the original project to the east end of the Draw Bridge over the Falls.

REPAIRS OF WHARVES.

For the repair of public wharves there was appropriated *the unexpended balance* of 1887 of .. $3,286 77

There was also, by Resolution No. 1, December 4th, trans-

	ferred from appropriation for Harbor	915 93
	Makingta total of	$4,202 70
	From which there was taken, by Resolution No. 146, September 22d, 1888, and transferred to sea wall at Quarantine Station.	$ 600 00
	Leaving available amount of	3,602 70
	Of this amount there was expended in repairs as below...	$3,337 33
	and for supervision	265 37
	LOCATION OF REPAIRS.	
Long Dock.	At this place one hundred and eighteen feet linear of old stone bulkhead was re-built on new foundations ; two hundred and thirty feet linear of platform, from ten to fifteen feet in width, were renewed, and about one hundred and fifty feet in length thoroughly repaired, the whole costing	$1,556 94
Pratt St., near Light.	About one hundred and ten feet the old stone bulkhead at this place was removed, and rebuilt on new pile and timber founda-	
	Amount carried forward	$1,556 94

Amount brought forward	$1,556	94	
tions, including re-filling, grading and paving a part of street, and putting in a wooden sewer for City Commissioner, at a cost of	$1,609	45	
The wooden bulkhead at foot of Camden street was rebuilt, at cost of	54	82	Foot Camden street.
Ring bolts renewed at Bowly's Wharf, at cost of	8	50	Bowly's Whf.
State and City Pier at Pratt street widened (one half cost).	61	25	City Wharf.
Repair to front logs and sheet piling at foot of Broadway, at cost of	34	87	Foot Broadway.
Expenses for determining wharf and pier head lines at Wellner's Wharf	11	50	Wellner's Wharf.
Making total cost of	$3,337	33	

BULKHEAD LITTLE HAWKINS' POINT.

The appropriation for the continuation of work on this very necessary protection to the site of the Marine Hospital, was..	$4,000	00	

	To which there was afterward transferred by Resolution 146, of September, 1888, from "Repairs of Wharves"	$600 00
	Making a total of	4,600 00
Expenditures.	The expenditures were	4,597 77
	Leaving an unexpended balance of	$2 23

Work done.

For these expenditures there was built of stone wall on rip-rap foundations four hundred and fifty-seven and one-half feet, and of fully graded bank three hundred and fifty feet. In addition to this a large quantity of rip-rap stone was purchased and deposited by hand along the foot of wall heretofore built, where the foundations had been injured by ice or waves.

The protection is now complete, except about eight hundred and sixty feet linear of stone coping, and embraced a total length of wall of two thousand and forty-five and one-half feet.

RE-SURVEY AND MAPS OF HARBOR.

The re-survey and maps of the Harbor and Middle Branch have been completed, and a large number of photo-lithographic copies have been made for distribution.

The appropriation for this work at last session was.....	$500 00
The expenditures for maps and surveys amount to.....	$401 70
Leaving an unexpended balance of.....	$98 30

ICE BOAT.

For the maintenance and repair of the City ice boat, *F. C. Latrobe*, there was appropriated.	$14,000 00
Of which by Resolution No. 1, December 4, 1888, there was transferred to "new wall in City Dock.".....	1,500 00
Leaving an available balance of.	$12,500 00
Of this amount there was expended for fuel, salaries, wages, supplies and repairs.....	12,144 36
Leaving an unexpended balance of.....	$355 64

Expenditures.

The ice boat was "in commission" and actively engaged in the work of river and harbor relief from ice, from January 19th to February 18th, or about one month, during which time it was at work day or night, or both, as occasion required, and was rarely in port, except for fuel and provisions.

Work done.

Free summer excursions.

During the summer twelve (12) round trips were made to Chesterwood, in the interest of the Free Summer Excursion Society, conveying large numbers of the poorer among us, women and children principally.

Condition of boat.

The boat is now in excellent condition, and ready for service at any moment.

Signalling apparatus.

A new method of signalling between the pilot house and engine has been introduced, which promises to obviate many of the annoyances and dangers arising from a misunderstanding of gongs on the old system.

FUTURE REQUIREMENTS.

For the year 1889 there should be provided amounts as given below:

Harbor		$50,000 00
Ice boat, unexpended balance	$ 355 65	
New appropriation.	11,644 36	
		12,000 00
Repairs of wharves		4,000 00
New wall in City Dock, balance	1,355 86	
New appropriation.	8,644 14	
		10,000 00
Amount carried forward		$76,000 00

Amount brought forward.....	$76,000 00
Bulkhead at Little Hawkins' Point.....	3,000 00
Sea wall at old Marine Hospital.	10,000 00
Total.....	$89,000 00
Of which the unexpended balances amount to.....	1,711 50
Leaving additional appropriation of.....	$87,288 50

It affords me pleasure to say that the officers, agents and employees of the Board, under my direction, have performed all services required of them with intelligence, industry and honesty.

Respectfully submitted,

N. H. HUTTON,

Engineer.

ANNUAL REPORT

—OF THE—

CITY SOLICITOR

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1888.

REPORT.

LAW DEPARTMENT—CITY HALL.

BALTIMORE, January 1, 1889.

To the Honorable the Mayor and the First and Second Branches of the City Council:

GENTLEMEN:

In pursuance of the duty imposed upon the City Solicitor by the Third Section of Article XIII, of the Baltimore City Code of 1879, I respectfully submit the following as my Annual Report as City Solicitor of the Law Department of the City of Baltimore.

I will state and briefly explain:

First. The decisions made since the last annual report of this Department, in the several courts, in cases to which the Mayor and City Council of Baltimore was a party.

Second. The cases now pending to which the Mayor and City Council of Baltimore is a party, and which have not heretofore been reported.

DECISIONS OF THE COURT OF APPEALS.

Lewis Raymo et al.

vs.

Mayor and City Council of Baltimore.

This was an appeal from a decree of the Circuit Court of Baltimore City, perpetually enjoining the Mayor and City Council of Baltimore from proceeding to collect assessments levied and assessed on property of the plaintiffs, in the matter of repaving of Gay street under Ordinance No. 55, of 1881, between Pratt and Aisquith streets.

The Court of Appeals held:

That an injunction will not lie to restrain a municipal corporation from collecting an assessment for paving a street on the ground that the contract for the work was invalid, because the time fixed by it for completion of the work had elapsed before the work had commenced, when it does not appear that the time was of the essence of the contract.

That the facts in this case held to show no repugnancy between the contract and the Ordinance which should restrain the collection of the assessment.

That it is no defence to an assessment that the contract for the work was not performed according to its terms. If the proper authorities accept the work, their acceptance, in the absence of fraud, is conclusive.

That in this case there was no such departure from the provisions of the Ordinance, the terms of the con-

tract and the descriptions of the patents as to render the assessment illegal.

The decree of the Court below was reversed and the bill dismissed.

Henry T. Daly

vs.

George W. Morgan and the Mayor and City Council of Baltimore.

(*Belt Annexation Case*).

The main questions involved in the decision of this case arose upon the construction of the Act of Assemble of 1888, Chapter 98, entitled "An Act to extend the limits of Baltimore City by including therein parts of Baltimore County," and were:

First. The constitutional powers of the Legislature to extend the limits of Baltimore City by including therein parts of Baltimore County; and, *Secondly*, its power to discriminate in the rates of assessment and taxation, for City purposes, upon Belt property within the districts annexed under the provisions of the said Act, and property within the former limits of the City; as the 19th Section of said Act provides. *First.* That until the year 1900 the rate of taxation for City purposes on all taxable property within the districts to be annexed shall not exceed the then existing tax rate of such property in Baltimore County, and that, until said year, no increase shall be made in the assessment of such property; *Second*, that until the year 1900 the City of Baltimore shall expend within the said districts

annexed an amount equal to the revenue derived therefrom by taxation in affording to the residents within such districts the rights and privileges enjoyed by residents within the present limits of the City.

The Act further provides that the question whether the several parts of Baltimore County shall be annexed to the City shall be submitted to the legal voters residing therein, respectively.

The Court of Appeals in its opinion held as follows :

That the Legislature of Maryland has power to extend the limits of Baltimore City by including therein parts of Baltimore County, with or without the consent of a majority of the voters residing within the districts annexed.

That a tax levied for public purposes, whether by the State, County or City authorities, must be equal and uniform throughout the State, County, City, or taxing district to which it applies. But the Legislature may make two or more taxing districts in one city, and equality or uniformity as between different taxing districts is not required in local taxation ; the rate may be different in the several districts.

That the 19th Section of the Act of 1888, Chapter 98, known as the "Belt Annexation Act," provides that until the year 1900, the rate of taxation for City purposes on all taxable property within the districts to be annexed, should not exceed the then existing tax rate of such property in Baltimore County, and that until said year no increase should be made in the assessment of said property.

As the rate of assessment and taxation is to be equal and uniform as to all the property within the taxing district or territory annexed, the provisions of this section are not in conflict with the bill of rights. Whether or not the rate of taxation prescribed by the section may be changed by a subsequent Legislature is not decided ; but the rate is binding until repealed.

Decisions of the Several Courts.

CIRCUIT COURT.

Mayor and City Council of Baltimore

vs.

The International, Telegraph, District and Construction Company.

This is a bill of complaint and for an injunction filed by the Mayor and City Council of Baltimore, praying that the defendant be enjoined and prohibited from using any of the poles erected by it on the streets, alleys or highways of the City for the purpose of holding or carrying wires over, upon, or through which electricity is to be carried ; and from using, for carrying electricity, any wires placed on poles or posts in said streets, alleys or highways ; and from hereafter erecting any wires placed on poles or posts in said streets, alleys or highways ; and from hereafter erecting any poles, posts or wires for the above mentioned purpose in said streets, alleys or highways of the City of Baltimore; and that the defendant might be required to remove from the streets, alleys and highways of said

City, all the poles, posts heretofore erected by it for the purpose of stringing wires for use for electric purposes.

On demurrer filed by the defendant, the Court (Judge Wright) held :

That it was in the discretion of the Court as to whether an injunction to enjoin obstructions in the streets, alleys and highways of the City should issue or not ; and that in this case the Court was of opinion that no sufficient reasons appeared for the Court to cause an injunction to issue in this matter, and therefore dismissed the bill of complaint with costs.

Mayor and City Council of Baltimore

vs.

Waterhouse Electric Company of Baltimore City.

The bill of complaint filed in this case is similar to that filed in the preceding case, and was filed at the same time and for similar purposes. The Court has postponed filing his opinion in this case in order that further testimony be taken in the same.

COURT OF COMMON PLEAS.

Mary J. Birmingham

vs.

Mayor and City Council of Baltimore et al.

This suit was brought to recover damages caused by the alleged illegal entry by the defendants upon a lot of ground belonging to the plaintiff, on the east side

of Aisquith street, near the corner of Aisquith and Oliver streets, during the erection of a fire engine house by Charles Ogle, contractor for the erection of said engine house for the City, and one of the defendants.

The demurrer of the defendants was sustained as to the Mayor and City Council of Baltimore, but overruled as to the defendant, Charles Ogle, and upon trial before a jury a verdict for $700 and costs was rendered against said Ogle.

BALTIMORE CITY COURT.

Burnside Phillips

vs.

Mayor and City Council of Baltimore.

This suit was instituted to recover damages for injuries alleged to have been sustained by a horse belonging to the plaintiff caused by falling into a hole on Saratoga street, between Holliday street and Gay street.

February 17th, 1888, judgment for the plaintiff for $60 and costs. Same day judgment entered "satisfied."

Mary Spelman et al.

vs.

Mayor and City Council of Baltimore.

This suit was brought to recover damages alleged to have been sustained by the plaintiff, Mary Spelman,

by falling down in Walnut alley, on the night of June 9th, 1888; said fall was alleged to have been caused by the darkness of the alley, owing to the alleged negligence of the City in not replacing a lamp in said alley, which had been destroyed.

The defendant demurred to the declaration. After argument the Court sustained the demurrer and gave judgment on demurrer with costs for the defendant.

Cases Settled in Other Ways.

CIRCUIT COURT.

Ann J. Foss et al.

vs.

Mayor and City Council of Baltimore.

This was a bill of complaint and for an injunction to restrain the City Collector from collecting an assses-ment levied on the property situated on the northwest corner of Camden and Howard streets, for its proportion of the cost of repaving Howard street, between Liberty and Camden streets. The bill was dismissed by the plaintiff's counsel on December 3d, 1888.

BALTIMORE CITY COURT.

William E. Cowen vs. Mayor and City Council of Balto.

George F. Derr vs. " " "

These suits were brought to recover damages for injuries alleged to have been sustained by the plaintiffs, which were occasioned by the defective condition of the pavement of Broadway, near Hoffman street.

The cases were entered "satisfied" on August 28th, 1888.

CASES PENDING IN THE COURTS.

COURT OF APPEALS.

Cumberland Dugan et al.

vs.

Mayor and City Council of Baltimore et al.

This case, the facts of which have been fully reported in a former report of this Department, involves the question as to the legality of the proceedings of the Commissioners appointed for the purpose of making a division of the property on a portion of which is built the water tower and pump house in Druid Hill Park.

The case has been fully argued, and is now awaiting the decision of the Court of Appeals.

CIRCUIT COURT.

Martin Kern et al.

vs.

Mayor and City Council of Baltimore.

This is a bill of complaint and for an injunction praying that the Circuit Court take jurisdiction on the Firemen's Relief Fund, donated by the citizens of Baltimore for the relief of the families of the firemen killed at the Sharp street conflagration on September 2d, 1888, and that a trustee or receiver be appointed

and empowered to receive all moneys in the hands of the Board of Fire Commissioners belonging to said fund, and to disburse the same according to the order of the Court; and that the said Board be made to account for the money received by them and their disbursements of said fund; and that said Board be enjoined and restrained from further disposing of said fund.

SUPERIOR COURT.

Charles McCambley

vs.

Mayor and City Council of Baltimore.

This a suit brought to recover damages for injuries sustained by plaintiff to his person and carriage, owing to the alleged defective condition of the pavement of Baltimore street, near Arch street.

John G. Lamp

vs.

Mayor and City Council of Baltimore.

This is a suit for damages for injury alleged to have been done to the property of the plaintiff, situated on the northwest corner of Druid Hill avenue and Laurens street, by flooding the same on July 21 and 23, 1887, and August 5 and 8, 1888, owing to the alleged choking up and insufficiency of the sewer there situated.

Abraham Rosenthal

vs.

Mayor and City Council of Baltimore.

This suit is brought to recover damages alleged to have been sustained by the plaintiff owing to injury alleged to have been done to his property on the northeast corner of Lombard and Eden streets, in the year 1885, owing to the choking up of a sewer alleged to have been faultily constructed.

Thomas Kurdle

vs.

Mayor and City Council of Baltimore.

This suit is brought to recover damages for injuries alleged to have been done owing to the flooding of the meat and provision store of plaintiff, on the southwest corner of Chew and Bond streets, on account of the bursting of a fire plug on January 28, 1888, which plug it is alleged was out of repair and not suitable for the purpose for which it was used.

John Harris

vs.

Mayor and City Council of Baltimore.

This is a suit brought to recover ten thousand ($10,000) dollars, alleged to be due and owing the plaintiff by the Mayor and City Council of Baltimore, by virtue of an assignment from William R. Weaver & Co., to the plaintiff. The plaintiff alleges that the said amount was due and owing the said William R.

Weaver & Co., under the terms of a contract between said Weaver & Co., and defendant, for work done by said Weaver & Co., in grading and paving certain streets in the City of Baltimore; and that the said Weaver & Co., on January 27th, 1888, assigned the said sum to said plaintiff, of which assignment the defendant had due notice.

William S. G. Williams, et. al.,

vs.

Mayor and City Council of Baltimore.

This is a petition to the Court to issue a mandamus to compel the Water Registrar to connect the City water mains with, and to turn on the water for the use of, the Albion Hotel, corner of Richmond and Cathedral streets, the property of the plaintiffs. The Registrar having refused so to do on account of the non payment of back bills for water used on said property.

BALTIMORE CITY COURT.

Margaret O' Connell

vs.

Mayor and City Council of Baltimore.

This is a suit for damages for injuries alleged to have been received by the plaintiff while driving across the Block-street Drawbridge on the 22d day of October, 1887. Said injuries are alleged to have been caused by the improper and dangerous position in which the key of said Draw-bridge was, by reason of which the plaintiff was thrown out and injured internally.

COURT OF COMMON PLEAS.

James Jester

vs.

Mayor and City Council of Baltimore.

This is a suit brought to recover damages alleged to have been sustained by the plaintiff on account of the bursting of a water pipe on December 29th, 1887, situated in the bed of an alley near the corner of Clinton and Hudson streets, whereby the house of the plaintiff was inundated and flooded, causing said damage.

John A. Curtis

vs.

Mayor and City Council of Baltimore.

This is a suit brought to recover damages for injuries alleged to have been received by the plaintiff while digging sand, at the corner of Broadway and Lanvale streets, on September 19th, 1887; said injuries being alleged to have resulted from the negligence of the defendant's employees, who were also digging sand at said place.

Arthur F. Lawrence

vs.

Mayor and City Council of Baltimore.

This is suit to recover damages for injuries alleged to have been done to a mule of the plaintiff in January, 1888, owing to the defective condition of the pavement of Presstman street, whereby the plaintiff

was deprived of the use of said mule and put to expense in the endeavor to cure the same.

John Thomas Bibbins, by his next friend, Cornelius Bibbins vs. Mayor and City Council of Baltimore.

Cornelius Bibbins vs. Mayor and City Council of Balto.

These suits are brought to recover damages sustained by the falling of a wall in an alley parallel with Lombard street, and between Lombard and Pratt streets, and running easterly from Frederick street to Marsh Market Space, whereby John Thomas Bibbins was injured.

Alonzo R. Todd and wife vs. Mayor and City Council of Baltimore.

Alonzo R. Todd vs. Mayor and City Council of Balto.

These suits were brought to recover damages for injuries alleged to have been received by Margaret C. Todd, wife of Alonzo R. Todd, on August 15th, 1888, while driving along Broadway, near Lanvale street, owing to the alleged defective condition of the road-bed of said Broadway, whereby she was thrown out and injured.

All of which is respectfully submitted.

BERNARD CARTER,

City Solicitor.

ANNUAL REPORT

— OF THE —

CITY LIBRARIAN

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1888.

REPORT.

BALTIMORE, January 2d, 1889.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

In accordance with the requirements of law, I have the honor of submitting to your honorable body the following report from this Department for the year ending December 31, 1888.

In the matter of procuring additional City plats, the importance of which your attention has frequently been called to in previous reports, owing to the limited amount of funds placed at my disposal for the purpose indicated, very little has been accomplished; everything has been done in this connection that was possible under the circumstances, but the result has not been commensurate with the importance of the object—each year's delay of this work will serve to increase the difficulty of perfecting it, and add to the expense thereof.

During the year just passed, I have added to our valuable collection of Baltimore City Directories, among them that of 1799, and we now have, while not a complete set, one that attracts considerable attention and is frequently used by the public.

As much has been said about the number of copies of City Council Journals, and ordinances and resolutions printed annually, I would respectfully suggest the passage of an ordinance directing the City Librarian as to the number to be printed, and also specifying how they shall be distributed. Under the present system some Councilmen obtain duplicate copies; copies are also sent to all retired Councilmen, who served during the term for which the same were printed, and the heads of the various departments are also supplied therewith.

The necessary stationery, &c., for the various departments of the City government have been procured and distributed according to the requisitions of such departments, and the amount expended therefor is shown in detail in the accompanying statement:

Statement of value of stationery and printed matter during the year 1888.

Appeal Tax Court	$ 154 70
Arbitration Committee (City Annex)	2 10
Baltimore City Jail	314 25
Bayview Asylum	195 23
Belt Commission	2 75
City Collector	1,957 25
City Comptroller	270 48
City Register	379 53
Commissioners for Opening Streets	60 90
Commissioner of Street Cleaning	101 25

City Commissioner	192 63
City Library	1,249 39
Clerk Belair Market	9 75
" Centre Market	16 20
" Lexington Market	3 50
" Canton Market	25
Examiner of Titles	33 26
Fire Commissioners	657 76
General Superintendent of Lamps, &c	126 04
Health Department	988 79
Harbor Board	67 40
Harbor Master—First District	8 38
" —Second District	2 98
" —Third District	2 25
" —Fourth District	8 20
" —Fifth District	3 25
Inspector of Buildings	112 01
Inspector of Gas and Illuminating Oils	62 33
Law Department	385 35
Mayor	234 10
Supervisors of Elections	378 88
Superintendent of City Hall	10 75
Total for Stationery	$7,991 89
Amount of appropriation undrawn	8 11
Appropriation	$8,000 00
*Water Department	826 94
*Chief Engineer Water Department	286 87
Total	$1,113 81

*These Departments pay their own bills.

Receipts for the year 1888.

For three copies Baltimore City Code, 1879...	$15 00
" four copies Supplement City Code, 1885..	10 00
" three copies City Ordinances.....	4 50
" 6614 pounds waste paper.....	49 38
" copying documents.....	40
Total receipts.....	$79 28

Respectfully submitted,

SAMUEL D. SMITH,

City Librarian.

ANNUAL REPORT

— OF THE —

EXAMINER OF TITLES

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1888.

REPORT.

BALTIMORE, January 10th, 1889.

LAW DEPARTMENT,

OFFICE OF THE EXAMINER OF TITLES.

To the Honorable

Ferdinand C. Latrobe, Mayor, &c.:

DEAR SIR:—I beg to submit herewith the work done in my department during the year 1888.

Preliminary examinations of titles for the opening and closing of the following streets, &c., were returned by me to the Commissioners for Opening Streets, viz:

Exeter street, from Front to Constitution streets.

Oliver street, from Aisquith street to Harford avenue.

Chester street, from Eager to Hoffman streets.

Federal street, from Eden to Washington streets.

Andre street, from Fort avenue to Claggett street.

Clemm street, from Towson to Andre streets.

Towson street, from Fort avenue to Claggett street.

Lanvale street, from Bond to Wolfe streets.

Mount street, from Northwest to North avenue.

Etting street, from Laurens to Roberts streets.

Andre street, from Fort avenue to Marriott street.

Beason street, from Hull to Andre streets.

Mosher street, from Kirby's lane to the Western City limits.

Patapsco alley, from Ostend to West streets.

Richardson street, from Fort avenue to Beason street.

Clement street, from Hull street to Garrett avenue.

Cooksie street, from Clement to Cuba streets.

Biddle street, from Bond street to Broadway

Johnson street, from Randall to West streets.

Barclay street, from North avenue to First street.

Belvidere street, the closing of, from North street to the line of the Union Railway Company.

In addition to the preliminary examinations of the above-named streets, final examinations were made in the following streets and avenues, whereby the same became public highways and streets of the City, viz:

Mount Royal avenue, from North to Dolphin streets.

Cannon street.

Calhoun street.

East street.

Jephson street.

Donaldson street.

McComas street.

It is hardly necessary for me to say that the Mount Royal avenue improvement is one of the most extensive ever done in the City, and the work in this department, therefore, was thorough in every particular.

Also the titles to the following property required by the City for its purposes were examined by me, and deeds prepared and recorded, viz:

The Manual Training School, Courtland street, three lots.

The Harford Run sewer, bed of Patapsco street, deeds from Jacob Pappler and Manderson and Keyser, &c.

The Pratt Library, Broadway and Milliman street.

The bed of Windsor Mill road (opening of Calhoun street).

The Colored Public School, Republican and Mosher streets.

A ground rent ($12,616.66), on school lot, Gilmor and Mosher streets.

The Water Department purposes, from George W. Abell and others, part of Guilford, $23,276.25.

The Water Department, from George S. Brown and wife, Broadway and Hoffman street, $22, 500.

The Water Department, German Bank, lot on Broadway, &c., adjoining the above, $700.

The above constitutes all the finished work for the year ending December 31, 1888.

Respectfully submitted,

JAMES W. McELROY,

Examiner of Titles.

ANNUAL REPORT

— OF THE —

JUDGES OF THE APPEAL TAX COURT

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1888.

REPORT.

APPEAL TAX COURT—CITY HALL.

BALTIMORE, January 1st, 1889.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

We beg leave herewith to submit the result of the labors of this Department for the year ending on the 31st day of December, 1888.

Tabular statement "A" shows the taxable basis charged to the City Collector for the years 1884 to 1888, both inclusive, with the assessments added to each, and the collections and abatements made on each.

Table "B" exhibits, by wards, the number of building permits issued during the year.

Table "C", the Assessor's report, shows the number of new buildings and additional improvements, assessed by the Court's assessor, the wards in which they are severally located, and the detailed and aggregate valuation of the same.

Following these tables will be found the reports respectively, of the Assessors for real estate and the Bailiffs.

TABLE A.

Statement of property for each year, that stand charged to the City Collector December 31, 1888.

1884.	*Real.*	*Personal.*
Amount of assessment unpaid January 1, 1888	$30,550	$60,286
Amount of refunds	1,482	.....
Amount of assessments	25,350	206,675
	$57,382	$266,961
Amount of abatement during 1888	$24,636	$187,462
Amonnt collected during 1888	20,074	78,864
Amount remaining uncollected, closed by limitation.	12,672	635
	$57,382	$266,961
1885.		
Amount of assessment unpaid January 1, 1888	$55,970	$348,578
Amount of refunds	2,645	.....
Amount of Assessment	188,850	292,750
	$247,465	$641,328
Amount of abatements during 1888	$10,500	$432,922
Amount collected during 1888	186,973	177,933
Amount remaining uncollected	49,992	30,473
	$247,465	$641,328

TABLE A—Continued.

1886.	*Real.*	*Personal.*
Amount of assessment unpaid January 1, 1888	$4,642,301	$1,826,408
Amount of refunds	39,819	.....
	$4,682,120	$1,826,408
Amount of abatement during 1888	$ 35,129	$934,372
Amount collected during 1888	3,797,068	727,988
Amount remaining uncollected	849,923	164,048
	$4,682,120	$1,826,408
1887.		
Amount of assessment unpaid January 1, 1888	$58,224,575	$11,601,551
Amount of assessment	$5,062	$45,500
Amount of refunds	131,083	.....
	$58,360,720	$11,647,051
Amount of abatements during 1888	$ 171,425	$1,674,752
Amount collected during 1888	49,068,888	5,682,131
Amount remaining uncollected	9,120,407	4,290,168
	$58,360,720	$11,647,051

TABLE A—Concluded.

1888.		
Amount of assessment, remaining as part of assessment of 1887	$200,675,809	$38,984,488
Amount of new assessment, less abatements on appeal.	3,605,912	2,905,074
Amount of new assessments, incorporated companies...	.....	23,786,499
Amount of new assessments during 1888.....	7,568	32,530
	$204,289,289	$65,708,591
Amount of abatements during 1888.....	$ 536,436	$ 1,944,720
Amount collected during 1888	140,034,190	50,178,793
Amount remaining uncollected.....	63,718,663	13,585,078
	$204,289,289	$65,708,591

RECAPITULATION.

Amount for different years that is charged to the City Collector, January 1, 1888.

1885—Real	$ 49,992	
Personal	30,473	
		$ 80,465
1886—Real	$ 849,923	
Personal	164,048	
		1,013,971
1887—Real	9,120,407	
Personal	4,290,168	
		13,410,575
1888—Real	63,718,663	
Personal	13,585,078	
		77,303,741
		$91,808,752
Less amount of plant, 1888	$1,565,800	
" Consolidated Gas Co	602,780	
		$ 2,168,580
		$89,640,172

TABLE B.

The number of permits issued from January 1st, 1888, to December 31st, 1888, for new buildings and improvements, were two thousand seven hundred and fifty-eight (2,758) and apportioned among the several wards,

Wards.	New Improvements.	Additional Improvements.	Total.
1	267	72	339
2	16	27	43
3	13	28	41
4	7	14	21
5	23	27	50
6	9	29	38
7	360	53	413
8	200	25	225
9	9	14	23
10	17	25	42
11	5	12	17
12	75	25	100
13	3	4	7
14	18	19	37
15	13	22	35
16	24	24	48
17	223	45	268
18	188	42	230
19	367	34	401
20	351	29	380
	2,188	570	2,758

TABLE C.

BALTIMORE, January 1st, 1889.

To the Honorable the
Judges of the Appeal Tax Court.

I most respectfully submit the result of my labors for the year ending December 31st, 1888, of the number of new and additional improvements, the several wards in which they are located, and assessed value of same:

Wards.	New Improvements.	Additional Improvements.	Value.
1	267	54	$ 243,325
2	15	26	33,550
3	11	20	23,850
4	9	11	20,931
5	27	16	43,750
6	7	20	10,550
7	469	41	523,450
8	233	26	345,775
9	6	7	83,100
10	15	21	423,050
11	17	26	136,875
12	77	19	331,000
13	2	5	3,450
14	24	14	101,750
15	12	20	138,750
16	30	19	35,750
17	203	37	230,350
18	102	30	86,200
19	320	29	335,550
20	293	21	381,700
	2,139	462	$3,532,706

Very respectfully,

THOMAS K. MCCORMICK,

Assessor.

BALTIMORE, January 3d, 1889.

To the Honorable the
Judges of the Appeal Tax Court.

GENTLEMEN :

The undersigned Assessors have the honor to submit for your consideration their report for the year ending December 31st, 1888.

For abatements allowed on property made on the petitions of owners claiming to be over-assessed, see tabular statement annexed :

Wards.	No. of Appeals.	No. Dismissed.	No. Granted.	Amount Abated.
1	25	4	21	$ 1,200
2	13	2	11	600
3	21	5	16	1,800
4	19	7	12	2,650
5	28	10	18	3,850
6	42	8	34	2,750
7	47	8	39	7,600
8	33	5	28	1,050
9	76	22	54	34,550
10	41	10	31	5,200
11	48	16	32	12,900
12	101	36	65	27,100
13	42	14	28	7,100
14	65	20	45	11,300
15	36	10	26	8,500
16	31	6	25	4,400
17	27	9	18	16,450
18	38	7	31	2,600
19	176	30	146	14,850
20	79	19	60	8,550
	988	248	740	$175,000

Respectfully submitted,

GEO. W. MASSAMORE,
E. ROSENBAUM,
Assessors.

FRANCIS X. JENKINS, *Clerk.*

TAX DEPARTMENT,

COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 1st, 1889.

To the Honorable the Judges
of the Appeal Tax Court.

GENTLEMEN:

The undersigned reports the Bailiffs' Department as having made assessments of personal property to March 1st, 1888, of the following amount: two million six hundred and thirty-six thousand seven hundred and eighty-two dollars ($2,636,782.00).

Respectfully submitted,

P. SCANLON,

Bailiff.

REFUNDS.

From January 1st, 1888, to December 31st, 1888, there have been ninety-five (95) orders for refunding of taxes, given generally to parties who have paid in error, either double payments, or on wrong property, or having paid on old improvements torn down, as well as on the new improvement.

TRANSFERS.

From January 1st, 1888, to January 1st, 1889, there have been eight thousand two hundred and seventy-nine (8,279) transfers of property against 7,149 for 1887.

PLANT.

The amount of application and exemption from City taxes for plant for 1888, aggregate a total of $1,565,801 to individuals, and exemption to Consolidated Gas Co., $602,780 ; total $2,168,581 against $2,085,571 for 1887.

In previous reports the Court has urged the importance and necessity of a re-assessment of the property of the City. The special Tax Commission created by an Act of the Legislature of 1886, in its report to that body in 1888, favored the passage of a bill for a general re-assessment of all property in the City, and we cannot but express our great regret that some bill looking to that end was not passed by that body at its last session.

The increase in the abatements of personal property for the past year is due to the fact that large institutions in the City have sold their stocks, bonds, &c., and invested in mortgages and other non-taxable securities, and further, to a suggestion made by the City Collector, in which the Court readily acquiesced to the striking from the Tax Ledgers a number of worthless judgments and small assessments on furniture by which they were relieved of a fictitious basis.

The number of appeals for reduction on real property for the past year was about one-third more than the year previous, yet the actual abatements made during the year just ended were about seventy thousand dollars less than the year previous.

In view of the great ineqality of taxation in the City, occasioned by the depreciation of property in some sections and the enhancing thereof in other sections, we feel that it is our imperative duty that we should advise you of this condition of affairs, and that the City Council should at an early day take such action as will recommend to the next Legislature of Maryland for its favorable consideration the passage of an act for a general re-assessment of the property of Baltimore City; so that its citizens, in many instances, may be relieved from the onerous and oppressive burden of unequal and unjust taxation.

Respectfully submitted,

WM. H. B. FUSSELBAUGH,
E. J. CHAISTY, JR.,
E. T. JOYCE,
Judges of Appeal Tax Court.

H. P. MOWINCKEL, *Chief Clerk.*
MICHAEL H. DOYLE, *Assistant Clerk.*

The Fifth Annual Report

—OF THE—

BOARD OF FIRE COMMISSIONERS,

—AND THE—

THIRTIETH ANNUAL REPORT

—OF THE—

FIRE DEPARTMENT,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31, 1888.

Officers of the Fire Department.

FIRE COMMISSIONERS:

J. ALEXANDER PRESTON, *President*,

FERDINAND C. LATROBE, *Ex-Officio*,

JOHN F. HUNTER, SAMUEL W. REGESTER.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN M. HENNICK.

ASSISTANT ENGINEERS:

GEORGE W. ELLENDER, THOS. F. MURPHY.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 1st, 1889.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

The undersigned Commissioners submit their report of the working of the Department for the year ending December 31, 1888.

The only increase in the Department is the equipment of No. 6 Hook and Ladder Company, on the corner of Hanover and Ostend streets, and the equipment of Engine Company No. 14, situated on Monroe street.

The machinery, horses and harness of the Department are all in excellent condition. The machinery and harness are of the latest and most approved character and could not be improved in either workmanship or material. The men who compose the Department, are the equals if not the superiors of any firemen in any city in this country. Their skill is attested by the number of fires (as will be perceived by an examina-

tion of the tables in this report,) that have been extinguished with so little loss to the citizens of Baltimore. Their heroism and devotion in the performance of their duties, was sealed with the blood of Henry Walker, George Kerns, Patrick J. Ryan, John Acomb, Thomas Wagner, Hiram A. McAfee and George Bowers, who met their deaths while fighting the flames of the Sharp street fire, on the 2d of September, 1888.

All that faithful and brave men could do the firemen of Baltimore have done within the last year. But this Department deprecates the treatment it has received at the hands of your Honorable Body. Year after year our report has stated in forcible language the absolute necessity for an increase of the force and the passage of a proper building law for this City.

Each preceding year the Board has called the attention of your Honorable Body to the fact that the City had outgrown the Department, and the utter inadequacy of its equipment for the size of the City.

The entirely unprotected condition of the harbor and centre of the City, has again and again been called to the attention of the proper authorities in each annual report for the last six years.

In 1887 our report stated the case in the following language: "His Honor the Mayor has been furnished with data showing the relative cost, machinery and efficiency of the fire departments of all the prominent cities of the Union, with the expectation that he will

call the attention of the community to the pressing needs of our own Department.

It is an absolute necessity that there shall be furnished an increased equipment if the City of Baltimore desires to avoid the risk of a great conflagration. The responsibility will rest solely on the authorities who fail to furnish the necessary means to prevent such a calamity."

Did the authorities respond to this entreaty and warning? The calamity happened, and as the lifeless bodies of the dead firemen were borne from the Sharp street ruins, public indignation was aroused and the different commercial bodies of the City held meetings, and the Fire Commissioners appeared before them and called the public attention to the size of the Department, in comparison with the size of the City.

The citizens of Baltimore had erected twenty-five thousand buildings, and the authorities had not provided a single engine company for their protection; the Commissioners had tendered the authorities a building law that was absolutely necessary for the protection of the City against fires and for the protection of the lives of the firemen, but it met the same fate as the appeals again and again made to the municipal authorities of the City for an increase of protection against fire, for the people of Baltimore. Two additional fire engine companies and a fire boat for the harbor are absolutely necsssary for the protection of the City.

The Board has no hesitation in saying that the management of the finances of this Department has been both skillful and economical, and the work accomplished with the small means at the disposal of this Board will upon examination reflect great credit upon it.

In 1888 there were 602 fires, and the loss aggregated $1,272,478.82, the only very serious loss being at the Sharp street fire, where the losses aggregated $765,-252.67.

With this report is submitted the suggestions and report of the Chief Engineer and the Superintendent of Police and Fire Alarm Telegraph, for the consideration of your Honorable Body.

The Commissioners file herewith as part of this report, Exhibits A, B, C, D, E, F and G.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the department for 1887, and the expenditures for that period.

Exhibit B shows the amount of special appropriations and its disbursements.

Exhibit C shows the general receipts of the department for 1888.

Exhibit D shows the general expenditures for 1888, and Exhibit E the general statement for 1888.

Exhibit F shows the expenditures of each Company.

Exhibit G shows the expenditures of the City Annex, from June 1st to December 31st, 1888, inclusive.

The Commissioners append herewith the estimate of the financial requirements of the department for 1889.

ESTIMATE FOR 1889.

Salaries	$153,700 00
Apparatus	20,750 00
Apparatus repairs	6,000 00
Accident	5,000 00
Feed	10,000 00
Fuel	3,000 00
Furniture	1,500 00
Harness	800 00
Horse-shoeing	2,000 00
Hose and sucking sleeves	10,000 00
Horses	6,000 00
Ground rent	804 25
Gas	1,200 00
Oils, grease, &c	1,500 00
Office expenses, including printing report and Messenger's salary	1,200 00
Rent of telephones	700 00
Miscellaneous	1,000 00
Washing	1,500 00
Life insurance	3,360 00
Sick account	600 00
Pensioned firemen	3,200 00
Police and Fire Alarm Telegraph	22,500 00
Total	$256,314 25

ESTIMATE FOR 1889—CITY ANNEX.

Salaries	$15,400 00
Apparatus repairs	1,500 00
Accident	600 00
Feed	2,400 00
Fuel	400 00
Furniture	500 00
Harness	500 00
Horse-shoeing	500 00
Hose	300 00
Horses	1,500 00
Ground rent	600 00
Gas	100 00
Oils, grease, &c	1,000 00
Miscellaneous	300 00
Washing	100 00
Life insurance	500 00
Sick account	200 00
Police and Fire Alarm Telegraph	10,875 00
Total	$37,275 00

J. ALEXANDER PRESTON,
President.
JOHN F. HUNTER.
SAMUEL W. REGESTER.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Honorable Mayor and City Council, for the year of 1888..	$235,604	25
Amount drawn from City Comptroller.....	235,600	11
Balance undrawn.....	$4	14

EXHIBIT B.

Special Appropriations.

Amount appropriated by Honorable Mayor and City Council for Fire Alarm Box 631, Gongs and Wire, at No. 6 Hook and Ladder house.....	$500	00
Amount drawn from City Comptroller.....	496	00
Balance undrawn.....	$4	00
Amount appropriated by Honorable Mayor and City Council for Fire Alarm Box 482.	$200	00
Amount drawn from City Comptroller.....	200	00
Amount appropriated by Honorable Mayor and City Council for Fire Alarm Box 218.	$160	00
Amount drawn from City Comptroller.....	160	00

TABLE B—Continued.

Amount appropriated by Honorable Mayor and City Council for six (6) Fire Alarm Boxes, viz: 32, 74, 159, 344, 355, 533....	$1,325	00
Amount drawn from City Comptroller.....	1,323	00
Balance undrawn.....	$2	00
Amount appropriated by Honorable Mayor and City Council for Fire Alarm Box 481, Gongs and Wire at No. 14 Engine House.	$400	00
Amount drawn from City Comptroller.....	400	00
Amount appropriated by Honorable Mayor and City Council for improved machinery for Police and Fire Alarm Telegraph Department.....	$5,100	00
Amount drawn from City Comptroller.....	5,100	00
Amount appropriated by Honorable Mayor and City Council for equipping No. 6 Hook and Ladder Company.....	$11,200	00
Amount drawn from City Comptroller.....	11,199	02
Balance undrawn.....		98
Amount appropriated by Honorable Mayor and City Council for equipping No. 14 Engine Company.....	$15,000	00
Amount drawn from City Comptroller.....	14,998	91
Balance undrawn.....	$1	09

EXHIBIT C.

General Receipts.

Balance on hand, store-room stock, December, 1887	$	140 00
Amount drawn from City Comptroller for the year 1888	235,600	11
Amount received from sale of manure and old material	406	93
Amount received from insurance company for injured and killed members	3,943	90
Total	$240,090	94

EXIBIT D.

Showing the amount expended for the year ending December 31st, 1888.

Salaries	$139,657 27
Apparatus and repairs	16,222 69
Accident	4,451 60
Feed	8,863 39
Fuel	2,802 85
Furniture	1,327 71
Harness	662 74
Horse-shoeing	1,669 58
Hose and sucking sleeves	9,709 32
Horses	3,125 00
Ground rent	1,054 25
Gas	1,108 77
Oils, grease, &c	1,447 36
Office expenses, including printing report and Messenger's salary	862 09
Rent of Telephones	592 34
Miscellaneous	3,784 37
Washing	1,512 50
Insurance on lives of members	1,675 45
Disabled firemen	3,299 64
Sick account	577 23
P. & F. A. Telegraph	31,198 96
	$235,605 11
Insurance disability paid to members	3,943 90
	$239,549 01

EXHIBIT E.

General Statement.

Receipts from all sources		$240,090 94
Expenditures	$239,549 01	
Amount paid to City Register	406 93	
	$239,955 94	
Balance store-room stock December 31, 1888	135 00	
		$240,090 94

EXHIBIT F.

Company Expenditures.

No.	1	Engine	Company	$	9,846 72
"	2	"	"		16,179 27
"	3	"	"		9,632 56
"	4	"	"		10,487 82
"	5	"	"		9,571 58
"	6	"	"		9,556 15
"	7	"	"		11,295 97
"	8	"	"		13,271 70
"	9	"	"		9,407 58
"	10	"	"		9,880 81
"	11	"	"		8,379 33
"	12	"	"		9,167 05
"	13	"	"		9,245 20
"	14	"	"		308 37
"	1	Hook and Ladder	Company		9,685 36
"	2	"	"		11,131 18
"	3	"	"		8,549 08
"	4	"	"		9,547 68
"	5	"	"		8,389 24
"	6	"	"		716 20
				$	184,248 85
Rent of telephones					592 34
Reserve apparatus					345 68
Officers' salaries and repairs					12,412 07
Miscellaneous					2,645 48
Office expenses					862 09
Disabled firemen					3,299 64
Fire alarm telegraph					31,198 96
				$	235,605 11

EXHIBIT G.

Showing the amount expended for the Annexed District, from June 1st, 1888, to December 31st, 1888, inclusive.

Salaries	$7,616 65
Apparatus and repairs	1,310 34
Accident	191 00
Feed	1,198 62
Fuel	156 75
Furniture	118 22
Harness	208 70
Horse-shoeing	161 53
Hose	127 20
Horses	1,300 00
Rent	342 78
Gas	33 50
Oils, grease, &c	279 72
Office expenses	13 25
Miscellaneous	132 55
Washing	39 79
Life insurance	238 49
Sick account	90 32
P. & F. A. Telegraph	688 25
Total	$14,247 66
Amount received from City Comptroller for Annex	$14,247 66
Amount expended	14,247 66

DR. *Financial Statement of the Baltimore City Fire Department for twelve months ending December 31, 1888.* CR.

1887.					1888.		
Dec. 31	To Store-room Balance		$ 140 00		Jan. 31	Total Expenditures this month	$ 17,761 70
1888.					Feb. 29	" " "	17,713 74
Jan. 31	City Comptroller, Warrants	1 to 50	17,761 70		Mar. 31	" " "	16,092 03
Feb. 29	" " "	51 to 95	17,713 74		Apr. 30	" " "	25,166 89
Mar. 31	" " "	96 to 131	16,092 03		May 31	" " "	23,103 41
Apr. 30	" " "	132 to 195	25,166 89		June 30	" " "	41,940 82
May 31	" " "	196 to 255	23,103 41		July 31	" " "	19,121 53
June 30	" " "	256 to 315	41,940 82		Aug. 31	" " "	21,536 79
July 31	" " "	316 to 379	19,121 53		Sept. 30	" " "	27,986 94
Aug. 31	" " "	380 to 424	21,536 79		Oct. 31	" " "	18,630 78
Sept. 30	" " "	425 to 480	27,986 94		Nov. 30	" " "	18,271 62
Oct. 31	" " "	481 to 534	18,630 78		Dec. 31	" " "	22,150 79
Nov. 30	" " "	535 to 574	18,271 62				$269,477 04
Dec. 31	" " "	575 to 610	22,150 79			Amount paid to City Register	406 93
			$269,617 04			Amount paid Members, Insurance Indemnity	3,943 90
	Old Material		406 93			Store-room Account, December 31, 1887.	140 00
	Insurance Indemnity		3,943 90				
			$273,967 87				$273,967 87

SUMMARY.

	Appro'tions.	Expen'tures.	Bala'ces.
Fire Department	$204,404 25	$204 401 15	$ 3 10
P. and F. A. Telegraph	31,200 60	31,198 96	1 04
Special, Telegraph	7,685 00	7,679 00	6 00
Special, No. 14 Engine Co.	15,000 00	14,998 91	1 09
Special, No. 6 Hook and Ladder Co	11,200 00	11,199 02	98
	$269,489 25	$269,477 04	$ 12 21
		12 21	
	$269,489 25	$269,489 25	

1887.			
Dec. 31	Balance Store-room Account		$ 140 00
1888.			
Dec. 31	Paid out for Store-room Account		2,317 84
			$ 2,457 84
1888.			
Dec. 31	Delivered to Companies from Store-room		$ 2,322 84
	Balance Store-room Account		135 00
			$ 2,457 84

REPORT

— OF THE —

CHIEF ENGINEER.

REPORT.

OFFICE OF CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 1st, 1889.

To the Honorable Board of Fire Commissioners.

GENTLEMEN :

I have the honor herewith to submit to you the annual report of the Fire Department for the fiscal year ending December 31, 1888, which is the thirtieth report of the paid Fire Department of the City of Baltimore.

By the annexation of the northern and western sections of the belt to the City of Baltimore, on June the 1st, 1888, nearly seventeen square miles of territory was added, and the Fire Department with its equipment, consisting of seven double tank Chemical Engines, three Hook and Ladder Trucks, nineteen horses, eight sets of double-swinging harness and three sets of single-swinging harness, with necessary furniture for the stations, became part of the Baltimore City Fire Department. There are seven houses occupied by the Companies in the annex, five of them are now owned by the City and two houses are rented.

As it was necessary to have an officer with authority, to take charge of the Companies in the annexed districts, the office of Superintendent was made, and Mr. George Berry, Sr. appointed to the position, he resigned on December the 1st, and Captain Wm. M. Dunn of No. 1 Hook and Ladder Company was appointed to fill the vacancy caused by his resignation.

During the past year, two new Companies, No. 14 Engine and No. 6 Hook and Ladder Company were organized, making the manual force to consist of 261 members, of which 131 are permanent members and 130 are call members, twenty-five of the permanent members are attached to the Companies in the annexed districts, they are classed and receive salaries as follows:

PERMANENT MEMBERS UNIFORMED.

Chief Engineer.....	$2,000	per	annum
2 Assistant Engineers, at the rate of	1,400	"	"
1 Superintendent of Machinery...	1,400	"	"
14 Enginemen, at the rate of.....	1,100	"	"
14 Assistant Enginemen, at the rate of.....	900	"	"
20 Drivers, at the rate of.....	900	"	"
12 Tillermen of Trucks, at the rate of	900	"	"
24 Firemen in Engine Companies, at the rate of.....	800	"	"
18 Laddermen in Truck Companies,			
—— at the rate of.....	800	"	"
106			

CALL MEMBERS NOT UNIFORMED.

20 Captains, at the rate of.....	$500	per	annum
79 Firemen, at the rate of.....	400	"	"
30 Laddermen, at the rate of.....	400	"	"
1 Superintendent of Horses.....	500	"	"

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MEMBERS OF COMPANIES IN THE ANNEXED DISTRICTS, ALL PERMANENT AND UNIFORMED.

Superintendent of the Companies.	$1,000	per	annum
7 Captains, at the rate of.....	600	"	"
10 Drivers, at the rate of.....	600	"	"
7 Firemen, at the rate of..	600	"	"

261

SUBSTITUTES.

There are five substitute members to each company. They give their services to the Department for no compensation, except when on duty for regular members. They are in line of promotion, and are insured against accidents for the same amount as the regular members.

COMPANIES AND WHERE THEY ARE LOCATED.

The Department is composed of fourteen (14) Engine Companies, six (6) Hook and Ladder Companies and seven (7) Chemical Engine Companies. They are stationed at the following places :

Engine Company No. 1, Paca street, north of Fayette street.

Engine Company No. 2, Barre street, west of Sharp street.

Engine Company No. 3, east Lombard street, near High street.

Engine Company No. 4, Lexington street, west of North street.

Engine Company No. 5, Ann street, near Gough street.

Engine Company No. 6, at the intersection of Gay and Ensor streets.

Engine Company No. 7, on Eutaw street, corner of Druid Hill avenue.

Engine Company No. 8, Mulberry street, east of Oregon Street.

Engine Company No. 9, Madison street, east of Broadway.

Engine Company No. 10, Columbia avenue, near Poppleton street.

Engine Company No. 11, Eastern avenue, corner of Patterson Park avenue.

Engine Company No. 12, Fort avenue, corner of Johnston street.

Engine Company No. 13, at the intersection of Fremont street and Myrtle avenue.

Engine Company No. 14, Hollins street, west of Monroe street.

Hook and Ladder Company No. 1, Harrison street, near Fayette street.

Hook and Ladder Company No. 2, Paca street, near Fayette street.

Hook and Ladder Company No. 3, south Ann street, near Gough street.

Hook and Ladder Company No. 4, west Biddle street, near Druid Hill avenue.

Hook and Ladder Company No. 5, Aisquith street, near Oliver street.

Hook and Ladder Company No. 6, Hanover street, corner of Ostend street.

Chemical Engine No. 1, Brunswick street, near the Frederick road.

Chemical Engine No. 2, Mary street, Clifton.

Chemical Engine No. 3, Fifth street, near Charles-street avenue.

Chemical Engine No. 4, York road, Waverly.

Chemical Engine No. 5, Homestead.

Chemical Engine No. 6, Belair road.

Chemical Engine No. 7, Hampden.

APPARATUS.

14 Steam Fire Engines in regular service.
5 Steam Fire Engines in reserve.
2 Old Steam Fire Engines used for pumping.
13 Heaters for Engines.
28 Hose Carriages, two to each Engine Company.
38 Fire Extinguishers of six gallons capacity.
4 Fire Extinguishers of fifteen gallons capacity.
6 Hayes Extension Ladder Trucks.
5 Bank Ladder Trucks.
1 Truck for carrying broken apparatus.

4 Concord Wagons, with large gongs on, used by the Officers.
3 Wagons used by Telegraph Department.
1 Dayton Wagon and 2 Carriages.
5 Two-horse Truck Wagons, that are used to haul fuel to Engines when working at fires.

CONDITION OF THE APPARATUS.

Of the fourteen engines that are in regular service, thirteen are in first-class condition. Nine of them having been purchased in the last four years, three of them during the past year. Four of them are first size; four second size, and five third size. Twelve of them are piston engines and two are rotary engines. The engine in service at No. 11 Engine Company was built by Poole & Hunt, in 1867, and is of small capacity. A new engine has been ordered for this Company.

The five engines in reserve are all in good condition; they are piston engines.

The six hook and ladder trucks in regular service, five of which are Hayes Extension Ladder Trucks and one a Banked Ladder Truck, and the two trucks in reserve, one a Hayes Extension Ladder Truck and the other a Banked Ladder Truck, are in good condition.

Twenty-four of the twenty-eight hose carriages in service are in good condition. The other four hose carriages are old style and should be replaced with hose wagons.

The seven chemical engines and three hook and ladder trucks that are located in the Annex, are in good condition, with the exception of No. 9 Truck, which requires a new bank of ladders. A great deal of repairing was required on this apparatus when it came in charge of this Department.

NEW APPARATUS.

The apparatus of the Department has been increased by the addition of three steam fire engines, four hose carriages, one Hayes truck, one fuel wagon, nine fire-extinguishers, one steam heater, two Concord wagons, and one fourway Woodhouse Siamese and outfit of the following description:

One third size, double piston, vertical, crane neck, steam fire engine, built by Clapp & Jones, with their circulating coil boiler, diameter of boiler 30 inches, height 60 inches, diameter of pumps 4⅜ inches, diameter of steam cylinders 7 inches, length of stroke 7 inches, capacity of engine 600 gallons of water per minute, weight ready for service 6,980 pounds, was placed in service at No. 14 Egnine Company, on June 6th, 1888.

One third size, double piston, verticle, crane neck steam fire engine, built by the La France Company, with the improved nest flue boiler, diameter of the boiler 30 inches, height 60 inches, diameter of pumps 4¾ inches, diameter of steam cylinders 8½ inches, length of stroke 6 inches, capacity of engine 600 gallons

of water per minute, weight ready for service 7,100 pounds, was placed in service at No. 8 Engine Company, on August 24th, 1888.

One first size double piston, vertical, crane neck steam fire engine built by the La France Company, with the improved nest flue boiler, diameter of boiler 36 inches, height 62 inches, diameter of pumps 5 inches, diameter of steam cylinders 8¾ inches, length of stroke 8 inches, capacity of engine 900 gallons of water per minute, weight when ready for service 9,180 pounds; was placed in service at No. 2 Engine Company.

One-third size Hayes Hook and Ladder Truck, built by the La France Company, with extension ladders to elevate 55 feet from the ground; seven other ladders, four Holloway Fire Extinguishers, of six gallons capacity each; two head-light reflectors, and all other necessary equipment. Was placed in service at No. 6 Hook and Ladder Company on June 13th, 1888.

HOSE CARRIAGES.

Four four-wheel crane neck hose carriages, built by Charles T. Holloway, were placed in service, two at No. 14 Engine Company, one at No. 10 Engine Company, and one at No. 13 Engine Company.

FUEL WAGON.

A truck wagon, with the capacity to carry one and a half tons of coal, was built by M. Lally & Son, and

placed in service at No. 6 Hook and Ladder Company; it is used to supply the engines with fuel when they are working at fires.

FIRE EXTINGUISHERS.

Nine Holloway Fire Extinguishers, of five gallons capacity each, made of copper, to replace four that were worn out, one lost at the Sharp street fire, and four for new companies, were placed in service, two at No. 2 Engine Company, two at No. 6 Engine Company, one at No. 7 Engine Company, two at No. 14 Engine Company, and two at No. 6 Hook and Ladder Company.

OFFICERS' WAGONS.

Two four-wheel Concord wagons, painted red, with large gongs on, were built by George Colflesh; one was for the Chief Engineer and the other for the Assistant Engineer of the Western District.

SUPPLY WAGON.

A covered wagon to deliver the supplies with and for other work, was built by Graff & Fathe.

STEAM HEATERS.

Heaters to connect to the engines, and keep steam on them with, were built by the E. J. Codd Company, and placed in service at Nos. 10 and 14 Engine Companies. All the Engine Companies are now supplied with them.

SIAMESE FOR LARGE STREAMS.

One fourway Woodhouse Siamese Outfit, consisting of twenty-five feet of three and a half-inch gum hose, a pipe, and three nozzles, one $1\frac{5}{8}$, one $1\frac{3}{4}$ and one 2 inches, is carried on No. 4 Engine Company's Hose Carriage.

REPAIRS TO APPARATUS.

All the Apparatus is in good serviceable condition, all necessary repairing having been done.

IN THE ANNEXED DISTRICTS.

A covered carriage was purchased for the Superintendent of the Companies to use. Nos. 5 and 6 Chemical Engines were thoroughly repaired, and new wheels, Sarven patent, and steel axles put on. No. 9 Truck had a brake put on, front running gear altered and new shafts.

NEW AND ADDITIONAL APPARATUS REQUIRED FOR THE DEPARTMENT.

I would recommend that four Hose Wagons be purchased and placed in service at Nos. 1, 2, 3 and 4 Engine Companies. The Hose Carriages these companies are now using can be transferred to other companies where they are needed. The Hose Wagons are highly recommended by the departments where they are in service, especially where fabric hose is used, as the hose being wound tight on the spool of the Hose Carriage is apt to mildew if damp, while in the wagon being laid loose if

DESCRIPTION OF STEAM FIRE ENGINES.

Engines.	Built by.	Put in Service.	Rebuilt by.	Put in Service.	Cylinders.		Pumps.		Boilers.		Gallons per Minute.	Weight as Drawn to Fires.
					Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.		
No. 1..	Ives & Bro	March, 1874	La France Co	April, 1884	8½	10	4¾	10	38	64	900	9,420
No. 2..	La France Co.....	December, 1888.....	.....	.....	8¾	8	5	8¾	36	60	950	.....
No. 3..	Ives & Bro	February, 1874.....	Clapp & Jones.....	December, 1884.....	8½	10	5	10	38	66	1020	9,600
No. 4..	Ives & Bro	November, 1873	La France Co	March, 1883.....	8½	10	4¾	10	38	64	900	9,400
No. 5..	Clapp & Jones.....	December, 1885.....	.....	.....	6¼	7	3¾	7	32	60	600	6,700
No. 6..	La France Co.....	December, 1884.....	.....	.....	Rotary.				34	66	500	7,400
No. 7..	Reaney & Neafie	September, 1858.....	Clapp & Jones.....	November, 1883.....	9	12	5	12	32	60	450	6,900
No. 8..	La France Co.....	August, 1888.....	.....	.....	8⅛	6	4¾	6	30	60	600	7,100
No. 9..	La France Co.....	October, 1886.....	.....	.....	7¼	8	4⅜	8	31	65	650	7,480
No. 10..	Clapp & Jones.....	September, 1886.....	.....	.....	7½	7	4⅝	7	32	60	650	7,160
No. 11..	La France Co.....	December, 1888.....	.....	.....	8⅜	8	4¾	8	34	60	750	.....
No. 12..	Clapp & Jones.....	August, 1885.....	.....	.....	6¼	7	3¾	7	32	60	600	6,825
No. 13..	Silsby Co.....	August, 1887.....	.....	.....	Rotary.				34	59	600	6,700
No. 14..	Clapp & Jones.....	July, 1888.....	.....	.....	7	7	4⅜	7	32	60	600	6,980

There are two rotary Engines, and No. 7 is a single piston Engine, all the others are double piston Engines.

DESCRIPTION OF HOOK AND LADDER TRUCKS, NUMBER OF MEMBERS.

Number.	Builders.	Style and Length of Ladders.	Placed in Service.	Weight as Drawn to Fires.	Number of Members.		
					Permanent.	Call.	Total.
A—No. 1.....	La France Co..	Hayes Truck Extension Ladders, 85 feet...	March, 1883.....	8,380	6	6	12
B—No. 2.....	La France Co..	Hayes Truck Extension Ladders, 85 " ...	March, 1883.....	8,420	6	6	12
C—No. 3.....	Ives & Bro....	Bank Ladder Truck	November, 1875	5,600	6	6	12
D—No. 4.....	La France Co..	Hayes Truck Extension Ladders, 75 " ...	October, 1884.....	7,250	6	6	12
E—No. 5.....	La France Co..	Hayes Truck Extension Ladders, 65 " ...	May, 1887.....	6,900	6	6	12
F—No. 6.....	La France Co..	Hayes Truck Extension Ladders, 55 " ...	July, 1888	6,200	6	6	12
G—Reserve...	La France Co..	Hayes Truck Extension Ladders, 85 " ...	March, 1887.....	8,420			
H—Reserve ...	Ives & Bro....	Bank Ladder Truck	February, 1859.....	5,650			

HOOK AND LADDER TRUCKS IN ANNEX.

No. 7, Bank Ladder Truck, in same house as Chemical Engine No. 1.
No. 8, Bank Ladder Truck, in same house as Chemical Engine No. 4.
No. 9, Bank Ladder Truck, in same house as Chemical Engine No. 7.

DESCRIPTION OF STEAM FIRE ENGINES IN RESERVE.

Names.	Located.	Built by.	When Built.	Rebuilt by.	When Rebuilt.	Weight as Drawn to Fires.	Gallons per Minute.	Cylinder.		Pump.		Boiler.	
								Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.
A.													
Formerly No. 2....	No. 4 Engine House.	Ives & Bro.	1864	La France Co.	1884	8,150	600	9½	12	5½	12	34	66
B.													
Formerly No. 8....	No. 13 Engine House.	Poole & Hunt.	1868	Ives & Bro.	1878	6,800	280	11	8	4⅜	8	31	63
C.													
Formerly No. 9....	No. 9 Engine House.	Ives & Bro.	1871	.....	.....	7,800	340	12	12	5	12	34	60
D.													
Formerly No. 11...	No. 11 Engine House.	Poole & Hunt.	1868	Ives & Bro.	1875	6,430	280	11	8	4⅜	8	31	60
E.													
Formerly No. 13...	No. 14 Engine House.	Ives & Bro.	1876	.....	.....	7,800	340	9½	12	5½	12	34	60
Baltimore.....	No. 5 Truck House.	Poole & Hunt.	1859	Ives & Bro.	1879	8,000	340	11	12	4⅜	12	.....	.....
Victory.....	No. 5 Truck House.	Ives & Bro.	1864	Ives & Bro.	1879	8,600	340	11	12	4⅜	12	.....	.....

They are single, horizontal, straight frame, piston engines. I would recommend that the two last named engines be disposed of.

it is damp, it has a chance to dry. The wagons are lighter in weight than the Hose Carriages, and can be used for bringing fuel, or as ambulances when required.

Eight Fire Extinguishers will be required to replace the same number that are wearing out.

One eighty-five gallon double tank Chemical Engine, to be placed in service at No. 6 Hook and Ladder Company, and to be used as an auxiliary to that company.

Another Company to be equipped with a large size, double tank Chemical Engine, two horses, one set of double swinging harness, and three permanent members should be organized and located at Woodberry. This section of the Annexed District is closely built up, and many new houses are now being erected. There is no fire apparatus in the place, the nearest Company being located at Hampden.

Would also recommend that one of the reserve engines be altered by taking off the pump and air vessel, and putting in their place proper machinery, so that the engine can be ussd for wrecking purposes, such as pulling out cotton, heavy timbers, pulling down walls of burnt buildings and other work which is now done by manual labor.

Summary of improvements required to place the Fire Department in proper condition, to afford necessary protection to property:

First, an Engine Company should be located in the vicinity of Lombard and Liberty streets, as this would be near the most valuable warehouse property in the City, on Sharp, Pratt, Lombard, German, Paca, Eutaw, Howard, Liberty, Hanover, Charles and other streets, surrounding this site, where there was dwelling houses a few years ago, are now built up with large warehouses from five to eight stories in height, and many of them are over two hundred feet in depth. There has been no increase in the number of Companies in the centre of the City since the Department was organized, thirty years ago. The Engine Companies around this section are No. 2, located on Barre near Sharp street; No. 1, on Paca near Fayette street; No. 4, on Lexington near North street; No. 3, on Lombard near High street; and this large unprotected space contains the most valuable as well as the most inflammable property.

This Company should be equipped with a first size Steam Fire Engine of 900 gallons capacity, two Hose Wagons, three thousand feet of hose, an eighty-five gallon double-tank Chemical Engine, seven horses and twelve permanent members.

Another Engine Company should be located in the neighborhood of St. Paul street and Boundary avenue, to afford protection to the property in that locality, which is closely built up with a good class of dwelling houses, several institutions and a number of churches. The best property in the annexed district is near this point, which is a great distance from the nearest En-

gine Company, No. 7, at Eutaw street and Druid Hill avenue. The new house should be large enough to accommodate No. 3 Chemical Engine Company, which is now located in a small two story brick building on Fifth street near Charles street avenue, for which the City is paying two hundred and forty dollars a year rent. This Company should be equipped with a third size Steam Fire Engine, of about 600 gallons capacity, two Hose Wagons, three thousand feet of fabric hose, seven horses, two double sets of swinging harness and eight permanent members, this includes the Captain of the Company and the three members for the Chemical Engine, there should also be four call members attached to the Company.

CHEMICAL ENGINES.

A single tank Chemical Engine, of one hundred gallons capacity, should be placed in service at No. 1 Hook and Ladder Company. It will only require one horse and the services of two men to operate it, and will be able to do a great deal of service. The experience of Chemical Engines for extinguishing fires in their incipiency have proved successful. The hose being small and light can be carried quickly to the upper stories or on the roof of the highest buildings, where it would take considerable time to carry up the heavy hose, and when large fires occur we would in addition to the Steam Engine, have the Chemical Engines to protect the property adjoining, which would be endangered by the heat and sparks. At the large fire on Sharp street, four of the Chemical Engines from the

Annex were present and rendered valuable service in protecting and putting out fires in buildings on Lombard and Pratt streets. The Chemical Engines carry their own material for extinguishing fires and can be quickly moved from one place to another.

A steam boat fitted up with a pump similar to the fire boats that are used in other cities, should be procured, so that the Department may be in condition to successfully combat fires when they occur on and near the water front, as the streams from the powerful pumps used on these boats can do effective service four squares away from where the boat is lying. Our water front is several miles in extent and fires are frequently occurring, which show the importance of affording better protection to the property, consisting of factories, storage warehouses, covered piers, lumber yards, grain elevators and packing houses, and a great deal of this property is so situated that the apparatus of the Department cannot render effective service, as they can only reach the fire from the land side, and when fires occur on steamboats and other vessels lying out in the harbor, we can do nothing to assist them.

A water tower could be placed in service at No. 6 Hook and Ladder Company. They are used when fires occur in the upper stories of high buildings, and have connections for the hose so arranged that the combined power of two, four or six Engines can be concentrated in them when required. The water tower can be elevated to a height of fifty-five feet, and by using

large nozzles, which are controlled by a person standing on the ground, they can flood the top stories of the highest buildings.

OFFICERS.

When the Paid Fire Department was organized in 1859, the City was divided into two districts, and one Assistant Engineer appointed for each district. In 1883, owing to the rapid building up of the western and north-western sections, the dividing line was changed to Charles street. In June, 1888, by the annexation of the northern and western sections of the Belt, nearly seventeen square miles of territory was added to the City. There has been no increase in the number of Assistant Engineers since the Department was organized, and when large fires occur and all the available force is called into service, the necessity for more officers is shown, as it is impossible to direct the operations of companies and look out for the safety of the men when they are working around a fire, with two assistants. There should be two more Assistant Engineers appointed, making four, and the entire City divided into four districts, with an Assistant Engineer for each district, and the companies in each district to form a battalion, and that the Assistant Engineers be required to reside in the district they have charge of, and the term Assistant Engineers be changed to Chiefs of Battalions.

The bounds of the districts to be as follows :

First District—Beginning at the eastern boundary, north of the centre of Baltimore street, to Charles street, and east of the centre of Charles street and Charles street avenue, to the new northern boundary.

Second District—Beginning at the eastern boundary, south of the centre of Baltimore street, to South street, and east of the centre of South street to the water line.

Third District—Beginning at the western boundary, north of the centre of the Frederick road and Frederick avenue, to Baltimore street, north of the centre of Baltimore street to Charles street, and west of the centre of Charles street and Charles street avenue to the new northern boundary.

Fourth District—Beginning at the foot of South street, west of the centre of South street, to Baltimore street, south of the centre of Baltimore street to Frederick avenue, and south of the centre of Frederick avenue and the Frederick road to the new western boundary of the City.

PERMANENT MEMBERS.

As the Department is now organized, Engine Companies Nos. 1, 2, 3, 4 and 5 have five permanent and seven call members. The Engineman, Assistant Engineman, Driver and two of the firemen are permanent, and the Captain and six of the firemen are call mem-

bers, making twelve members to each of these companies.

Engine Companies Nos. 6, 7, 9, 12 and 14 have five permanent and six call members. The Engineman, Assistant Engineman, Driver and two firemen are permanent, and the Captain and five firemen are call members, making eleven members to each of these companies.

Engine Companies 8, 10, 11 and 13 have four permanent and seven call members. The Engineman, Assistant Engineman, Driver and one fireman being permanent, and the Captain and six firemen are call members, making eleven members to each of these companies.

Each member of the companies have one day's holiday in a month, and during this time when the permanent members are having their days, there are but three members in Nos. 8, 10, 11 and 13 Engine Houses, and four in the houses of the other engine companies, and nine hours every day, when the permanent members are away to their meals, there are only members enough in the engine houses to take the apparatus to a fire, and the call members being scattered over the city, working at their occupations, are of very little use to the companies they are attached to when the apparatus arrives at the fire, and the Captains not being present with their companies, there is no one to direct them when going in service, which causes confusion and delay, and as the first few minutes generally determines

what the magnitude of the fire will be, it is evident by the companies being delayed, that the efficiency of the Department is impaired.

The Captains of all the companies should be permanent members, and there should be another permanent fireman placed in Nos. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11 and 13 Engine Companies in place of a call fireman. If this change is made Nos. 1, 2, 3, 4, 5, 6 and 7 Engine Companies will have seven permanent members, including the Captains, and the other Engine Companies will have six permanent members, including the Captain.

The Captains of the Hook and Ladder Companies should all be permanent members, as the Trucks with their ladders are regarded as a life-saving apparatus, and should a fire occur in the upper stories of some manufacturing establishment where there was a large number of people, and escape was cut off by the stairways, they would have to be taken down on the ladders, and the Captains being absent would likely cause some delay in raising the ladders and getting them in the windows, especially if there was a network of wires in front of the building. By making one of the permanent Ladderman a call Ladderman, and making the Captain a permanent member, at a salary of one thousand dollars per annum only one hundred dollars will be added per annum to the yearly expenses of each Hook and Lad der Company.

In the Annex the Chemical Engine Companies have three permanent members to each Company, and at

three of the houses, Nos. 1, 4 and 7, where there are Hook and Ladder Trucks, there is an additional member, who drives the Truck to fires; they receive six hundred dollars each per annum, there being no difference between the pay of the Captain and the other members since they have been annexed. These Companies respond on first alarms to a large number of alarm boxes in the old part of the City, and on second and third alarms to all the important boxes, which causes them to have a greater amount of service to perform, besides incurring more danger and liability to sickness.

I would recommend that the salaries of the members of these Companies be increased, and a distinction be made between the pay of the Captain and the other members, for on him rests the responsibility for the discipline and management of the Company, and would also recommend that another member be added to the Companies where there are Hook and Ladder Trucks.

HOSE

Two hundred and twenty-one sections, making ten thousand five hundred and fifty (10,550) feet of new fabric hose with couplings of the following brands, have been placed in service during the past year: Four thousand five hundred and fifty (4,550) feet of Eureka three ply hose, fifteen hundred (1.500) feet of unique treated double jacket hose, fifteen hundred (1,500) feet of Boston fire hose, double jacket; fifteen hundred (1,500) feet of Boston Belting Company's fire jacket hose, one

thousand (1,000) feet of American fire double jacket hose and five hundred (500) feet of Baker fabric hose, three ply. Sixteen sections of fabric hose was rejacketed and sixteen sections of fabric hose was rejacketed and relined. There is now in service twenty-nine thousand two hundred and twenty-five (29,225) feet of good reliable hose, twenty-two thousand four hundred and seventy-five (22,475) feet of which is fabric hose, and six thousand seven hundred and fifty (6,750) feet is gum hose; there is also in service nine thousand three hundred and fifty (9,350) feet of hose, gum and fabric, that is not reliable to stand more than one hundred and eighty (180) pounds pressure; seven thousand eight hundred (7,800) feet of hose, two thousand eight hundred (2,800) feet of fabric, and five thousand (5,000) feet of gum hose was condemed and taken out of service; five hundred (500) feet of new hose was lost at the Sharp street fire. Five hundred (500) feet of one inch gum hose was furnished to Chemical Engines Nos. 1, 2, 3, 4 and 6, one hundred feet of the hose to each of these Companies.

HOSE.

Companies.	New Hose Received in 1888.	Reliable Fabric Hose	Medium Fabric Hose	Reliable Gum Hose.	Medium Gum Hose.	Condemned Fabric Hose	Condemned Gum Hose.
	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.
Engine Company No. 1	400	2,000	750	400	700	150	200
Engine Company No. 2	1,500	1,550	.....	650	.....	150	1,550
Engine Company No. 3	500	1,700	.....	500	1,000	250	250
Engine Company No. 4	1,000	3,125	600	250	.....	450	.....
Engine Company No. 5	500	1,450	.....	600	450	200	200
Engine Company No. 6	300	1,000	1,000	600	.....	150	300
Engine Company No. 7	900	2,300	400	.....	200	450	600
Engine Company No. 8	1,000	1,400	.....	.....	1,200	300	400
Engine Company No. 9	700	1,100	650	500	600	250	200
Engine Company No. 10	900	1,000	.....	1,000	.....	.....	950
Engine Company No. 11	400	700	.....	1,500	300	500	.....
Engine Company No. 12	450	600	.....	750	1,000	.....	300
Engine Company No. 13	.....	2,600	400	.....	.....	.....	.....
Engine Company No. 14	2,000	1,950	.....	.....	.....	.....	.....
	10,550	22,475	3,800	6,750	5,550	2,850	4,950

Seven thousand (7,000) feet of two and a half inch hose, two thousand (2,000) feet of three inch hose, and eight hundred (800) feet of one inch hose for the Chemical Engines, will be required during the year 1889.

HORSES.

The nature of the work required in the service is so severe, owing to the heavy grades and rough condition of the streets, that it is difficult to obtain horses that will stand the wear for any considerable length of time, and consequently we are compelled each year, to replace a number that have given evidence of unfitness for the service, as it is necessary to have reliable horses that we know are able to do the work required of them. During the past year twenty-nine horses were purchased. Seven of them were for the new companies: No. 14 Engine and No. 6 Hook and Ladder Companies, and five were to replace horses that were sent to companies in the annexed district; sixteen horses were given in exchange and two horses died. There is now in service one hundred and nine horses, and with the exception of eight, they are in good condition and are used as follows:

Fourteen Engine Companies, four horses to each Company	56	horses
Six Hook and Ladder Companies, three horses to each Company	18	"
Used by Officers of the Fire Department	7	"
" Fire Alarm Telegraph	4	"
" Supply Wagon	1	"
In reserve for use of Engine Companies	3	"

In the Annexed District.

Superintendent of the Companies.....	1	horse
Seven Chemical Engine Companies, two horses to each Company.....	14	"
One Hook and Ladder Truck, with two horses	2	"
Two Hook and Ladder Trucks, one horse to each Truck.....	2	"
Supply Wagon used for carrying chemicals for the Engines.....	1	"
Total	109	horses

FIRE ALARM BOXES WITH KEYLESS DOORS.

I would recommend that keyless doors should be placed on the following boxes: 14, 124, 125, 126, 128, 131, 132, 134, 212, 218, 241, 242, 248, 312, 314, 316, 317, 319, 321, 322, 365, 416, 417, 419, 42, 423, 425, 43, 431, 436, 514, 52, 523 and 61. By altering the doors on these boxes, when a fire is discovered, the alarm can be sent in immediately, while with the locked doors, there is often a delay in finding the key. We have had thirty keyless boxes in service fourteen months, and have not received any false alarms from them.

NEW FIRE ALARM BOXES.

Eleven (11) new fire alarm boxes have been added during the past year. They are numbered and located as follows:

159 Broadway and Canton avenue.
218 Baltimore and Front streets.
32 Saint Paul and Saratoga streets.
322 No. 7 Engine House, Druid Hill avenue and Eutaw street.
329 Saint Sulplice Seminary, Paca street near Druid Hill avenue.
344 Park avenue and Centre street.
345 Park avenue and Richmond street.
355 Charles street and Boundary avenue.
382 No. 14 Engine House, Hollins near Monroe street.
383 Wilkins avenue and Payson street.
74 Clagett and Andre streets.
29 Weissner's Brewery, Belair avenue.
Box 32 was removed from No. 7 Engine House.

The following Fire Alarm Boxes are located in the annexed districts, comprising the twenty-first and twenty-second wards:

281 No. 6 Chemical Engine House, Belair road.
282 Georgetown.
283 Harford road, near Car Stables.
284 Oxford.
285 No. 5 Chemical Engine House, Homestead.
291 Huntingtou avenue and York road.
292 No. 4 Chemical Engine House, Waverly.
293 Chesnut Hill avenue and Old York road.
294 Jenkins' Lane.
349 No. 3 Chemical Engine House, Fifth street, near Charles-street avenue.

384 Madison avenue extended.
385 Boundary and Park avenues.
391 No. 2 Chemical Engine House, Mary street, Clifton.
392 Huntington avenue and Remington place.
393 Mount Vernon, Huntington avenue extended.
394 No. 7 Chemical Engine House, Hampden.
395 Falls road and Fourth avenue, Woodberry.
396 Union avenue and Northern Central Railroad.
476 Lafayette avenue, above the Baltimore and Potomac Railroad.
483 Frederick road and Garrison lane.
484 No. 1 Chemical Engine House, Brunswick street, near Frederick road.
485 Frederick road and Baltimore and Potomac Railroad.
491 Baltimore street and Calverton road.
492 Baltimore street and Garrison lane.
493 Calverton road and Garrison lane.

Making the total number of Fire Alarm Boxes in service 269 ; seven of them are private boxes, and are placed inside of buildings.

In the Annexed District there are twenty-seven (27) Fire Alarm Boxes, and the lines are so constructed that they are not reliable to send in alarms from. These few boxes are scattered over a large area, and there are localities closely built up where the nearest box is over half a mile distant, and in some places the boxes are a mile apart. The circuits leading from the Central Office should be extended and a number of boxes located in neighborhoods where they are most needed.

FIRES.

During the past year there were 602 fires, for which 406 calls were sent in from the fire alarm boxes, an increase of 93 over the preceding year, and 196 were still alarms. The total loss was $1,272,478.82, of which amount $765,252.67 was caused by the fire on south Sharp street, and $507,226.15 was caused by the other fires that occurred.

Second alarms were sent in for 14 fires, third alarms for 3 fires and general alarms for 3 fires. There were 11 fires where the damage exceeded $10,000. We are indebted to the Salvage Corps for the statement of the losses and insurances.

February 26th—Box 423—Time first alarm, 1.55 A. M.; general alarm, 2.03 A. M.; recall, 5.33 P. M. Four-story brick building, Nos. 847, 849 and 851 Raborg street, occupied by John Scherer & Son as a storehouse for their factory, and contained a large stock of doors, sash, blinds, shutters, mouldings and dressed lumber. The shingle roofs on buildings Nos. 853 and 855 were partly burned. Nine engines and three trucks were in service. Loss, $20,736.32 ; insurance, $39,400.

March 21st—Box 163—Time first alarm, 10.21 P. M.; second alarm, 10.36 P. M.; recall, 5.13 A. M. on March 22d. Four-story brick building, No. 1900 east Baltimore street, corner of Wolfe street, occupied by Richard Stumpf as a grocery and liquor store. The fire commenced on the first floor and went up the open ele-

vator to the upper stories. Six engines and two trucks were in service. Loss, $27,836.36; insurance, $46,800.

March 28th—Box 13—Time first alarm, 8.18 P. M.; second alarm, 8.24 P. M.; third alarm, 9.10 P. M.; recall, 3.31 A. M. March 29th. Five-story brick building, No. 708 east Pratt street, extending through the block to Concord street, occupied by Charles Hollander & Sons as a furniture factory and salesrooms. The fire was in the fourth and fifth stories of the end of the building on Concord street, which was used as the workroom; part of the roof was burned off. Eleven engines and four trucks were in service. Loss, $16,590.28; insurance, $31,105.

April 4th—Box 162—Time first alarm, 2.49 A. M.; second alarm, 2.56 A. M.; recall, 9.15 A. M. Two-story brick building, 160 feet long, containing 1,525 barrels of refined coal oil, owned by J. Parkhurst, Jr., and W. West & Son, and a large one-story frame shed containing material used in making fertilizers, owned by Griffin & Boyd and Voss Brothers, on Waters' wharf, foot of Wolfe street. Eight engines and two trucks were in service. Loss, $16,075.66; insurance, $47,300.

April 26th—Box 561—Time of alarm, 8.15 P. M.; No. 1 Engine Company called at 8.48 P. M.; recall 3.15 A. M. on April 27th. Two-story brick and frame building on Leadenhall, near Ostend street, attached to Henry Seim & Sons' glass works, and used as a storeroom for boxed glass. Four engines and one truck were in service. Loss, $15,909; insurance, $23,459.

May 11th—Box 521—Time first alarm, 9.39 P. M.; general alarm, 9.48 P. M.; recall, 6.47 A. M. on May the 12th. Five-story brick building, with iron front, No. 11 west Pratt street, occupied by Francis X. Ganter, Jr., as a show case and organ factory. There were galleries around the lower stories for the employees to work on. The building was sixty feet higher than the adjoining houses, and contained a large stock of seasoned lumber. A two-story brick building, No. 107 west Pratt street, occupied by Wm. F. Young, dealer in paints and oils, and a three-story brick building, No. 109 west Pratt street, occupied by F. X. Ganter, Sr., as a saloon and dwelling, were badly damaged by the wall falling on them. Eleven Engines and four Trucks were in service. Loss, $72,281.01; insurance, $86,450.00.

May 16th—Box 81—Time of alarm, 3.27 A. M.; recall, 4.07 A. M. Two hundred and fifty bales of cotton on a scow, lying between Piers 31 and 32, Locust Point. It was to be shipped on the Steamer Mentmore, of the Liverpool Line. One Engine, one Truck and five streams from the Baltimore and Ohio Railroad Company's Fire Brigade was in service. Loss, $11,737.00; insurance, $23,550.00.

May 31st—Box 423—Time of first alarm, 4.39 P. M.; second alarm, 4.51 P. M.; recall, 7.45 P. M. Two and four-story brick buildings, Nos. 661, 663 and 665 west Baltimore street, occupied by Aaron Bragg, dealer in furniture and carpets. The stock and building

was badly damaged above the first story. Seven Engines and two trucks were in service. Loss, $18,912.58 ; insurance, $25,300.00.

July the 11th—Box 158—Time first alarm, 4.35 P.M.; second alarm, 4.42 P. M.; recall, 12.19 A. M., July the 12th. Three story brick building, Nos. 1608, 1610 and 1612 Thames street, occupied by Kirwin & Tyler as a tin-can factory. There was an explosion of gasoline, which blew out the rear part of the building and caused a slight fire, on July the 10th. The gasoline and rosin that was used in the building, caused it to burn rapidly. The heat and sparks set fire to the roofs of houses on Thames, Bond and Shakespeare streets. Seven roofs were burned off and fourteen slightly damaged. They were all shingle roofs with the exception of two, which were tin. Eight engines and two trucks were in service. Loss, $30,595.04; insurance, $65,400.00.

July the 23d—Box 12—Time first alarm, 7.10 P. M.; second alarm, 7.28 P. M.; recall, 10.39 P. M. Five story brick buildings, Nos. 109 and 111 North Gay street, extending through to Frederick street. The first and second floors of No. 109 North Gay street were occupied by Jacob Hartman, dealer in carpets and furniture; No. 111 North Gay street, and the upper stories of the buildings, which were communicating, were occupied by Gunther & Fink, dealers and manufacturers of furniture. The fire was confined to the front part of the building, on the second and fifth stories. Nine engines and four trucks were in service. Loss, $13,660.08; insurance, $46,950.00.

THE DISASTROUS FIRE ON SOUTH SHARP STREET.

On Sunday, September the 2d, at 4.24½ A. M., box 526, located at Sharp and Camden streets, was received. The alarm was sent in by the watchman of the Susquehanna Ice Company, who was sitting in front of their office on Dover street near Camden lane and saw sparks of fire coming over the roofs of the houses. He went to the corner of Cypress alley and saw the fire coming out of the rear windows of a warehouse in the centre of the block, between Pratt and Lombard streets. He then went to the box and sent in the alarm. The light of the fire, which was then coming through the skylights of the building, could be seen from all parts of the City. At Pratt street and Cypress alley, I saw the fire coming out of every window in the rear end of the building, which was six stories high, went to the box and sent in the signal for a general alarm, which was received at the Central Office at 4.29 A. M. When I arrived in front of the fire, which was in the five story brick building, No. 109 South Sharp street, running through to Cypress alley, being 217 feet in depth. It was occupied by E. A. Prior & Co., importers and dealers in toys and notions. The flames were then coming from the first and second stories and dense volumes of smoke from the upper windows, followed in a few minutes by a mass of flames, which reached half way across the street. Explosions from either fire-works or cartridges, or both combined, that were in the buildings, then commenced and kept up a continual roar. In less than ten minutes from the time the first alarm was received,

the warehouse adjoining No. 107, occupied by Tabb Brothers & Dimmock, wholesale dealers in hardware, on the lower stories, and as a storage house for gum goods on the fourth and fifth stories, and the warehouse, No. 111, occupied by M. S. Levy & Sons, manufacturers and dealers in straw goods, were burning in the upper stories. No. 111 was the same height and depth as No. 109. The streams from the Engines first to arrive, Nos. 1, 2, 4, 7 and 10 took positions in front of the fire, the large Engines Nos. 1 and 4 using their Siamese and large nozzles. When Assistant Engineer Murphy arrived, I left him in front of the fire, and went to the back of the burning buildings, as the wind was blowing from the southwest and driving the fire towards the rear parts of the warehouses that front on Hanover and Lombard streeets, the only streams in the rear were from No. 12 Engine, they having on two lines of hose. Gave orders to Assistant Engineer Ellender, who came on the general alarm, to have the streams from all the Engines that were then arriving placed in positions to prevent the fire from crossing the twenty foot alley; they were Nos. 3, 5, 6, 9 and 13. But trifling damage was done to any of the buildings on Hanover street. Some of these companies had barely got to work when the walls commenced falling, covering up the bed of the alley and crushing in the buildings adjoining them on the north side. While at the rear of the fire, I was informed that a building on Sharp street had fallen in and caught a number of men under it. Went to the front of the fire and found that the north side wall of the five-story brick building, No. 107 Sharp street, which

was fifteen feet higher than the four-story iron front building, No. 105 Sharp street, occupied by Winkelman & Co., dealers in drugs and manufacturers of patent medicines, had fallen over on it, and carried down every floor to the cellar, and with them three members of No. 7 Engine Company, who were in the fourth story of the building with a line of hose, and five members of No. 2 Hook and Ladder Company, who were assisting them. The concussion caused by this building falling, toppled over the south side wall above the third story of the four story iron front building, No. 103 Sharp street, occupied by Wiley, Bruster & Co., wholesale dealers in dry goods, carrying down all the floors in this building and setting fire to it. There was some fire in the fourth story of the four story iron front building, No. 101 Sharp street, occupied by Holliday & Co., wholesale dealers in dry goods, which was put out with the small extinguishers; four streams of water was kept playing in the building where the men were to prevent them from being burned. At this time the three centre buildings, Nos. 107, 109 and 111 Sharp street, were burning fiercely. The two buildings, No. 113, occupied by Dobler & Mudge, dealer in paper and paper stock, and No. 115 Sharp street, occupied by H. S. King & Son, wholesale dealers in hardware, on the lower floors, and as a storage room by E. A. Prior & Co., on the third and fourth floors; these two buildings were four stories high, running back one hundred and ten feet, and two stories high the balance of the distance back to Cyprus alley one hundred and six feet. The companies that were working in these buildings

were ordered out, as the building adjoining the one burning was one story higher in front and four stories higher from the centre of the building to the back wall, with a large number of windows in the side wall above the buildings Nos. 113 and 115 Sharp street. The men had just left the buildings, when the wall fell over, crushing them to the cellars and setting them on fire. The side walls of these buildings then fell out, setting fire to the buildings Nos. 117 and 119 Sharp street, and the roofs and rear buildings of nearly all the houses on Pratt street between Cyprus alley and Sharp street, and several roofs of houses on the south side of Pratt street. Nearly all of them were shingle roofs. Several streams were taken around to Pratt street, and with the Chemical Engines extinguished the fires on these roofs without serious damage. At this time, the wind had changed to the northwest and was carrying the fire in a southeastwardly direction, and before the streams could be changed and put in positions to protect tne property in this direction, the burning material, which was carried by the high wind, had set fire to the roof and goods in the fourth story of the donble warehouse, Nos. 108 and 110 West Pratt street, occupied by Hirshberg & Hollander, wholesale dealers in paints and oils. Streams from Nos. 5, 12 and 13 Engines, and from No. 1 Chemical Engine were taken to the upper story of the building and confined the fire to the fourth story and roof. The adjoining building, No. 106 West Pratt street, occupied by Braffman & Co., wholesale dealers and manufacturers of clothing, had the shingle roof burned off and the stock badly dam-

aged. On Lombard street, No. 113, occupied by Uhman & Co., manufacturers of ladies' cloaks and wraps, had the window frames of the fifth story in rear and edge of roof burned; No. 115, the Maternite Hospital, had the back building crushed by the falling wall, and No. 117, occupied by H. Samstag as a hotel, had the frames of the rear windows and part of the roof burned. The fire was under control in two hours. In less than thirty minutes from the time the alarm was sounded, the seven buildings, Nos. 103, 105, 107, 109, 111, 113 and 115 South Sharp street were destroyed and the walls had fallen. One of the principal reasons why there was such a destruction of property, was the faulty construction of the walls. Between the buildings Nos. 105 and 107 there were two seperate thirteen inch walls, four stories high, with nothing to hold them together, and on top of them an eighteen inch wall to make the building No. 107 a story higher than No. 105, and when the roof went in and the floors went down in No. 107, the ends of the joists pried the wall over on No. 105—this is the building the men were caught in—and the wall on the south side of the building No. 111, which was six stories high, was only thirteen inches thick where it broke off at the front part of the third story, when it fell. From the evidence taken by Fire Inspector Charles T. Holloway, he says in his report that the fire must have been burning for two hours in the warehouse No. 109 South Sharp street, occupied by E. A. Prior & Co. This building was two hundred and seventeen (217) feet deep and had iron shutters on the rear windows, and the fire was not discovered

until it burst through the skylight above the roof, and that the walls had become heated and set fire to the adjoining buildings, which was the cause of the fire spreading so rapidly. Keyless fire alarm box 513 is on the corner of Sharp and Lombard streets, which is not more than 200 feet from the building where the fire originated, but it was not sent in until after Box 526 had been received. As soon as the men were caught in the building, No. 3 Hook and Ladder Company, which was held in reserve at No. 1 Truck House, was sent for, and went to work, and after working nearly two hours, Ladderman August Eck, of No. 2 Hook and Ladder Company, was taken out, not seriously injured. The bodies of Firemen Henry Walker, George Kerns and Substitute Hiram A. McAfee, of No. 7 Engine Company, and Ladderman George Bowers and Substitute Patrick J. Ryan, of No. 2 Hook and Ladder Company, were found during Sunday. The members of the hook and ladder companies were kept to work, relieving each other every ten hours, until Tuesday morning, when the bodies of Houseman John Acomb and Ladderman Thomas Wagner, of No. 2 Hook and Ladder Company, were found. The bodies were found close to one another, having been caught as they were coming down the stairway. Twelve engines, six trucks and five chemical engines were in service. Loss, $765,252.67; insurance, $1,370,000.

November 10th—Box 54—Time of alarm 2.02 A. M.; recall, 5.59 A. M. Two-story brick building, 40 feet front and 120 feet deep, No. 828 south Howard street, occupied by the Baltimore Plow Company as a foundry and agricultural implement factory. Four engines and one truck were in service. Insurance, $22,300; loss, $12,272.91.

Fire Alarm Boxes where Second, Third and General Alarms were sent from in 1888.

Boxes.	Where Located.	Date.	Second.	Third.	General.	Loss.
158	Bond and Thames streets	January 15th	Second			$ 8,061 00
123	Pratt and Gay streets	January 19th	Second			3,768 00
212	No. 1 Truck House, Harrison street	January 27th	Second	Third		6,368 76
423	Baltimore and Pine streets	February 26th			General	20,736 32
163	Baltimore and Wolfe streets	March 22d	Second			27,836 36
13	Pratt-street Bridge	March 28th	Second			16,590 28
431	Pratt and Fremont streets	March 29th	Second			4,186 55
162	Thames and Wolfe streets	April 4th	Second			16,075 66
136	Foot of Union Dock	May 3d	Second			3,916 00
521	Charles and Camden streets	May 11th			General	72,281 01
423	Baltimore and Pine streets	May 31st	Second			18,912 58
158	Bond and Thames streets	July 11th	Second			30,595 04
12	Baltimore and Gay streets	July 23d	Second			13,660 08
345	Charles-street Bridge	August 13th	Second			4,883 79
526	Charles and Camden streets	September 2d			General	765,252 67
6	Calvert and Lombard streets	October 23d	Second	Third		4,351 49
71	Fort avenue and Borrough street	October 26th	Second			6,264 29

Description of the houses that were erected for the two companies that were organized during the past year:

The house for No. 6 Hook and Ladder Company, is situated on the northeast corner of Hanover and Ostend streets. It is a two story brick building, 25 feet front, and 110 feet deep, with a 15 foot yard in the rear of the building, the lot being 125 feet in depth. The truck room contains four stalls for the horses, they are placed alongside of the apparatus. There are three sliding poles for rapid transit from the sleeping room. The ascent to the second story is by an iron spiral stairway, where there is a parlor, sleeping and bath rooms, and loft for the horse feed. The front entrance to the house, for the apparatus, is an arch made of granite. This company went in service on April the 6th, 1888.

The house for No. 14 Engine Company, is located on Hollins street, west of Monroe street. It is a two story brick building, 25 feet front and 110 feet deep. The lot is 63 feet front and 132 feet in depth. The first and second stories are finished in the same manner as the house for No. 6 Hook and Ladder Company. On each side of the front entrance there are towers fifty-five feet high. One is used as the belfry and the other to hang the hose in. This company went in service July, 1888.

The houses of the Department are in good condition

all necessary repairing having been done. The following are some of the principal items:

No. 1 Engine House, another sliding pole put in, and a six inch drain pipe laid to connect the house to Arch-street sewer.

No. 2 Engine House, a cement floor was put in front part of engine room, and belfry altered so that it can be used as a hose tower.

No. 3 Engine House, a cement pavement put in front of the house.

No. 5 Engine House, house and steeple painted and first story frescoed.

No. 7 Engine House, an addition built to the house, on the Eutaw street side, to be used as a sitting room.

No. 8 Engine House, another sliding pole put in and the house painted.

No. 9 Engine House, a six inch drain pipe was laid to connect the house to the sewer.

No. 10 Engine House, a tower fifty-four feet high to hang hose in was built in front part of the house.

No. 12 Engine House, new front doors and house painted.

No. 5 Truck House, a cement pavement was put down in front of the house and another stall built to accommodate the horse that is used by the Superintendent of Companies in the Annex.

ALTERATIONS AND REPAIRS REQUIRED TO THE HOUSES.

At No. 2 Engine House, the horse stalls should be altered so as to make them of equal width ; as they are now, two of the stalls are so wide that the horses turn around in them and one stall is so narrow that the horse cannot lie down. A back entrance should be made to the stable from Welcome alley, as it can be done at a small expense.

At No. 3 Engine House, the stalls for the horses should be placed along side of the apparatus, and a small piece of ground in the rear purchased, so as to make an outlet to the alley in rear of the house.

At No. 8 Engine House, a new floor is needed in the engine room, and the inside of the house needs painting.

At No. 10 Engine House, a new floor is needed in the engine room, and the east side brick wall of the house will have to be taken down and rebuilt, as it is badly bulged out.

At Nos. 7, 8, 11 and 12 Engine Houses, towers similar to the one at No. 10 Engine House, should be built to hang the hose in, so as to air and dry them.

HOUSES IN THE ANNEX.

No. 1 Chemical Engine House, part of division wall between the rooms should be taken down, and a new fence put around the yard.

No. 2 Chemical Engine House, an addition of fifteen feet should be built in the rear, so as to make room for another horse stall, and a floor put in the first story.

No. 4 Chemical Engine House, a new floor is needed in the first story.

No. 5 Chemical Engine House, an addition of fifteen feet should be built in the rear, so as to make room for another horse stall; and a new floor put in the first story.

No. 7 Chemical Engine Company, located at Hampden, in a three story brick building. The Company uses the rear part of the first floor, for which the City pays $20 per month rent. The members of the Company sleep in a room on the same floor, which is separated from the apparatus and horses by a partition. The horse feed is kept in the cellar. A house should be built somewhere in this vicinity, to accommodate this Company.

A building to be used as a stable, with five stalls, two of them to be large box stalls, should be built on part of the lot alongside of No. 14 Engine House, so that the Department can have a suitable place to care for

the sick and disabled horses. There is no place at present, and with the number of horses we now have, some of them are apt, at times, to be unfit for service, and it would be economy to have a place to send them, where they could have proper care and attention.

BUILDINGS, INFLAMMABLE OILS, EXPLOSIVE MATERIAL AND OVERHEAD WIRES.

As buildings are now being carried to great heights, there should be an ordinance to regulate the thickness of the walls according to their height. and the material used in constructing them, and to require mansard roofs and wooden cornices on houses, to have some fire-proof material between them to separate each building, and to prevent the putting on of shingle roofs.

Also prohibiting the storing of inflammable oils in warehouses above the first story, unless in isolated buildings. And where explosive material is kept, it should be on the first floor, near the door of the building, so that the water could reach the place where it was, and prevent the fire from getting to it, and there should be a sign on the outside of the building alongside of the door, stating the natnre of the explosives that were in the building.

On many of the streets in the business part of the City, and where there are nearly all high buildings, the overhead wires have been put up to such an extent, that it is impossible to raise and use ladders to the

windows of the upper stories, and when there is a fire, the operations of the department are hampered by them, especially the Electric Light wires, as it is dangerous for the men to attempt to cut them.

The ordinance requiring hoistways to be enclosed should be enforced, we frequently find them without guards of any kind around them.

CASUALTIES.

Companies.	Position.	Name.	Date.	Box	Time off Duty.	Nature of Injury.
Engine Co. No. 1....	Fireman....	Joseph Lavinder....	November 6...	424	15 days....	Right foot mashed.
" " " 2....	Driver.....	John Boyd.....	November 26..	....	2 "	Ankle of right foot sprained.
" " " 3....	Fireman....	James S. Lindsey ..	April 13.....	232	5 "	Left wrist sprained.
" " " 3....	Engineman.	Thos. H. Humphreys	October 13....	....	16 "	Right hand mashed.
" " " 4....	Captain.....	George W. Horton..	July 21.....	422	18 "	Left foot scalded.
" " " 4....	Fireman....	Ernest Schultz.....	July 21.....	422	15 "	Hands burned.
" " " 4....	Fireman....	James Burke.....	August 13.....	345	Still off duty.	Knee sprained.
" " " 4....	Substitute...	Frank Sherwood ...	September 2...	526	12 days....	Left leg sprained.
" " " 5....	Substitute...	Anthony Schoepplein	March 21.....	163	101 "	Right leg mashed.
" " " 5....	Fireman....	Wm. M. Burns.....	April 9..	153	3 "	Left foot mashed.
" " " 5....	Fireman....	Chas. E. De Witt...	October 23....	6	1 "	Face burned.
" " " 5....	Fireman....	Wm. M. Burns.....	October 23....	6	7 "	Face burned.
" " " 6....	Fireman....	Frank Berger.....	January 12....	142	36 "	Ankle sprained.
" " " 6....	Hostler....	John Clark.....	March 28.....	13	24 "	Legs bruised.
" " " 6 .	Fireman....	J. Oscar Healey.....	May 12.....	521	9 "	Legs scalded.
" " " 6....	Captain.....	Bernard Shaw.....	July 11.....	....	17 "	Knee cut.
" " " 8....	Fireman....	Andrew J. Walter...	February 1...	354	1 "	Ankle sprained.
" " " 9 . .	Substitute...	Chas. B. Westbaugh.	November 8...	216	11 "	Leg bruised.
" " " 9....	Hostler.....	Joseph T. Kelly....	December 4....	....	12 "	Right shoulder sprained.
" " " 10....	Fireman....	Jesse Kielholtz.....	May 21.....	49	22 "	Left arm burned.
" " " 10....	Fireman....	Samuel Marker.....	May 21.....	49	63 "	Two ribs broken on right side.
" " " 10....	Fireman....	James Scott.....	May 21.....	49	3 "	Left leg cut.
" " " 10....	Fireman....	James Scott.....	May 27.....	418	7 "	Face and hands burned.
" " " 10....	Fireman....	James Elliott.....	September 2...	526	56 "	Left wrist cut.
" " " 10 ...	Substitute...	George Smith.....	October 26....	71	35 "	Back sprained and head cut.
" " " 12....	Fireman....	James Catterton.....	September 2...	526	3 "	Head cut.
" " " 13....	Engineman .	John H. Deal.....	May 31.....	423	25 "	Left foot scalded.

Hook & Ladder No. 1	Ladderman..	Wm. E. Van Rossum	February 22..	....	35	"	....	Left hand mashed.
" " " 1	Captain.....	Wm. M. Dunn.....	February 24...	526	52	"	....	Ankle sprained.
" " " 1	Ladderman .	John B. Keene.....	March 13.....	236	17	"	....	Arm bruised.
" " " 1	Substitute...	Wm. C. Smith.....	March 21.....	163	2	"	....	Leg injured.
" " " 2	Hostler.....	Thos. Montgomery..	June 6.....	21	14	"	....	Muscles of left leg strained.
" " " 2	Ladderman .	John W. Kelly.....	September 2...	526	41	"	....	Head and breast bruised and
" " " 2	Ladderman .	August Eck.....	September 2...	526	30	"	....	Body and arms bruised. [cut.
" " " 2	Asst. Tillm'n	John W. Blake.....	September 10..	526	21	"	....	Right knee bruised.
" " " 2	Ladderman .	William Thomas....	December 13..	52	23	"	....	Left hand burned.
" " " 3	Ladderman .	George Little.....	May 3.....	136	32	"	....	Back sprained.
" " " 4	Captain.....	Andrew Bilson.....	August 13....	321	14	"	....	Hand cut.
" " " 5	Ladderman .	William Wiley.....	January 29....	251	14	"	....	Right hand burned.
" " " 5	Ladderman .	Martin Kirby.....	March 11.....	264	14	"	....	Right hand cut.
" " " 5	Ladderman .	William Quinn.....	July 28.....	349	15	"	....	Left leg bruised and cut.
" " " 5	Ladderman .	William Johns.....	December 13..	413	Still off duty.			Index finger on left hand bro-
" " " 6	Asst. Tillm'n	Antoine Kemp.....	May 8.....	....	13 days....			Knee and foot bruised. [ken.
" " " 6	Ladderman .	Wm. H. Cuddy.....	September 2...	526	16	"	....	Back sprained.

CASUALTIES.

Number of days members were off duty from injuries received.

No. 1 Engine Company	members	off	15	days.
No. 2 Engine	"	"	2	"
No. 3 Engine	"	"	21	"
No. 4 Engine	"	"	183	"
No. 5 Engine	"	"	124	"
No. 6 Engine	"	"	86	"
No. 7 Engine	"	"	None.	
No. 8 Engine	"	"	1	"
No. 9 Engine	"	"	23	"
No. 10 Engine	"	"	186	"
No. 11 Engine	"	"	None.	
No. 12 Engine	"	"	3	"
No. 13 Engine	"	"	25	"
No. 14 Engine	"	"	None.	
No. 1 Hook and Ladder Company	members	off	None	
No. 2 Hook and Ladder	"	"	106	"
No. 3 Hook and Ladder	"	"	129	"
No. 4 Hook and Ladder	"	"	32	"
No. 5 Hook and Ladder	"	"	63	"
No. 6 Hook and Ladder	"	"	29	"
			1,028	"

DEATHS.

The saddest event that has happened since the organization of the Department, occurred at the disastrous fire on Sharp street, on Sunday, September 2, at forty-five minutes past four o'clock A. M., by which seven members of the Department, attached to No. 7 Engine and No. 2 Hook and Ladder Companies, were crushed to death. They were in the four story iron front warehouse, No. 105 South Sharp street, with a line of hose to prevent the fire from coming in this building. The north wall of the adjoining building, No. 107 South Sharp street, a five story building, which was burning, was about fifteen feet higher than the building the men were in. The wall looked strong, when really it was in a very bad condition, as it toppled over on the lower building, carrying down the roof and every floor to the cellar, wrecking the building from the front to the back wall. The following members were taken out of the ruins dead.

Members of No. 7 Engine Company.

Call fireman Henry D. Walker, age 40 years, and had been a member of the Department fourteen years.

Call fireman George Kerns, aged 27 years, and had been a member of the Department six months.

Substitute Hiram A. McAfee, age 26 years, and had been a member of the Department six months.

Members of No. 2 Hook and Ladder Company.

Permanent ladderman John Acomb, age 34 years, and had been a member of the Department two years.

Call ladderman Thomas Wagner, age 46 years, and had been a member of the Department twenty years.

Call ladderman George Bowers, age 35 years, and had been a member of the Department eleven years.

Substitute Patrick J. Ryan, age 27 years, and had been a member of the Department six months.

DEATHS FROM OTHER CAUSES.

No. 2 Hook and Ladder Company.

Permanent ladderman William H. Quigley, died on May 7th, of erysipelas, after an illness of three days. He was 32 years of age, and had been a member of the Department eight years.

No. 1 Engine Company.

Permanent fireman Charles Minton, died on August 30th, of consumption, after an illness of six months. He was 34 years of age and had been a member of the Department eight years.

Deaths, Resignations, Dismissals, Transfers, Appointments and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
Engine Co. No. 1	1	....	1	2	4	1
Engine Co. No. 2	....	1	....	3	3	....
Engine Co. No. 3	....	1	....	2	2	....
Engine Co. No. 4	....	....	....	....	....	....
Engine Co. No. 5	....	1	....	1	1	1
Engine Co. No. 6	....	....	....	1	1	1
Engine Co. No. 7	3	....	....	3	2	....
Engine Co. No. 8	....	....	....	1	2	....
Engine Co. No. 9	....	....	....	....	1	....
Engine Co. No. 10	....	1	....	2	1	....
Engine Co. No. 11	....	1	....	1	2	1
Engine Co. No. 12	....	1	1	....	....	1
Engine Co. No. 13	....	....	....	....	....	....
Engine Co. No. 14	....	....	....	5	6	3
Hook and Ladder Co. No. 1	....	....	....	3	1	3
Hook and Ladder Co. No. 2	6	1	....	6	....	2
Hook and Ladder Co. No. 3	....	1	....	2	....	3
Hook and Ladder Co. No. 4	....	....	....	1	2	2
Hook and Ladder Co. No. 5	....	....	1	1	....	....
Hook and Ladder Co. No. 6	....	....	....	8	5	8
	10	8	3	42	33	26

There are eight disabled members who are pensioned, and receive four hundred dollars each per annum.

There should be a physician who is also a surgeon appointed and paid a regular salary, whose duty it would be to visit and attend the members of the Department when they are off duty sick or injured. The members are paid their salaries and receive five dollars a week from the Relief Association when they are sick, and if disabled from injuries received at fires, they receive five dollars additional from the Insurance Company. When a member is off duty, and the Company is run a man short, it interferes with its efficiency to the extent of one man's service, and when a man is put on duty in their places it adds to expenses. We have now two hundred and sixty-one regular members and more than one hundred substitute members. As it is now, there is a physician and surgeon appointed, and when a member is injured, he is allowed to make two visits and charge three dollars a visit, and no matter how trifling the case may be, the charge is the same, and when a member goes off sick, he gets a certificate and sends it to the office, for which he pays one dollar and ten cents, and nothing more is known of the party who is away reported sick or injured until he sees fit to report for duty.

TABLE A.

Showing the number of Box Alarms by Districts for the year 1888.

Month.	East of Charles street.	West of Charles street.	Annexed District.	Total.
January	25	17		42
February	14	18		32
March	22	24		46
April	15	10		25
May	12	13		25
June	16	15	2	33
July	21	17	7	45
August	10	19	5	34
September	10	15	2	27
October	11	12	1	24
November	15	19	1	35
December	12	22	4	38
	183	201	22	406

There were 183 alarms from boxes in the eastern district, which comprises all that part of the city east of the centre of Charles street, from the north boundary to the centre of Lee street; 201 alarms from boxes in the western district, which comprises all that part of the city west of the centre of Charles street, from the north boundary to the centre of Lee street, down Lee street to the water front, and along the water line to the western boundary, and 22 alarms from boxes in the annexed districts which comprises the twenty-first and twenty-second wards.

TABLE B.

Showing the number of times Companies have responded to fires, and transferred to the houses of other Companies, number of feet of hose laid at fires, and number of ladders used at fires.

Companies.	Number of Times Responded to Fires.	Number of Times Transferred on Alarms.	Number of Feet Hose Laid at Fires.	Number of Ladders Used at Fires.	Number of Times the Extension Ladders Were Used at Fires.
No. 1 Engine Co....	126	.....	30,900	....	.....
No. 2 Engine Co....	138	.....	52,800	....	.....
No. 3 Engine Co....	143	.....	32,600	....	.....
No. 4 Engine Co....	115	.....	31,000	....	.....
No. 5 Engine Co....	106	45	23,750	....	.....
No. 6 Engine Co....	135	2	21,800	....	.....
No. 7 Engine Co....	117	31	22,100	....	.....
No. 8 Engine Co....	125	39	23,500	....	.....
No. 9 Engine Co....	131	59	23,050	....	.....
No. 10 Engine Co....	116	22	27,450	....	.....
No. 11 Engine Co....	88	39	15,450	....	.....
No. 12 Engine Co....	60	45	16,250	....	.....
No. 13 Engine Co....	103	23	27,800	....	.....
No. 14 Engine Co....	28	14	9,850	....	.....
No. 1 Hook & Ladder	122	.....	.....	206	12
No. 2 Hook & Ladder	140	.....	.....	189	9
No. 3 Hook & Ladder	122	.....	.....	182	.....
No. 4 Hook & Ladder	88	114	.....	90	4
No. 5 Hook & Ladder	82	95	.....	101	12
No. 6 Hook & Ladder	50	2	.....	142	4
			358300	910	41

TABLE C.

Showing the number of alarms monthly for the year 1888.

Month.	Box.	Telephone and Silent.	Total.
January	42	26	68
February	32	16	48
March	46	27	73
April	25	11	36
May	25	6	31
June	33	22	55
July	45	14	59
August	34	17	51
September	27	5	32
October	24	11	35
November	35	15	50
December	38	26	64
	406	196	602

TABLE D.

Number of fires on each day of the week for the year 1888.

Sunday	86
Monday	100
Tuesday	84
Wednesday	75
Thursday	89
Friday	72
Saturday	100

TABLE E.

Showing the working time of the Engines and service of the Hook and Ladder Trucks.

	ENGINES.		MEMBERS.	
	Hours.	Min.	Hours.	Min.
No. 1 Engine Co. in service.....	76	....	293	....
No. 2 Engine Co. in service.....	122	....	343	....
No. 3 Engine Co. in service.....	99	....	281	....
No. 4 Engine Co. in service.....	60	....	255	....
No. 5 Engine Co. in service.....	82	....	282	....
No. 6 Engine Co. in service.....	54	....	265	30
No. 7 Engine Co. in service.....	55	....	242	....
No. 8 Engine Co. in service.....	62	40	321	40
No. 9 Engine Co. in service.....	55	....	323	20
No. 10 Engine Co. in service.....	90	....	312	....
No. 11 Engine Co in service.....	72	....	303	....
No. 12 Engine Co. in service.....	69	....	352	....
No. 13 Engine Co. in service.....	89	....	356	....
No. 14 Engine Co. in service.....	23	35	138	....

	HOOK AND LADDER TRUCKS.		MEMBERS.	
	Hours	Min.	Hours.	Min.
No. 1 Hook & Ladder Co. in service	247	....	389	....
No. 2 Hook & Ladder Co. in service	240	....	380	....
No. 3 Hook & Ladder Co. in service	193	45	347	....
No. 4 Hook & Ladder Co. in service	126	....	389	18
No. 5 Hook & Ladder Co. in service	284	....	403	....
No. 6 Hook & Ladder Co. in service	109	20	201	20

TABLE F.

Losses monthly, year ending December the 31*st*, 1888.

Month.	
January	$34,507 83
February	61,445 46
March	62,731 21
April	47,725 30
May	113,687 72
June	24,698 28
July	60,612 65
August	16,341 91
September	772,966 99
October	16,786 47
November	27,744 54
December	26,581 46
	$1,265,829 82
Losses silent fires	6,649 00
Total	$1,272,478 82

TABLE,

Showing the loss by fires in each district monthly, for which Box Alarms were sent out.

Month.	Eastern District.	Western District.	Annexed District.
January	$ 23,477 56	$ 11,030 27	.....
February	9,179 45	52,266 01	.....
March	54,837 49	7,893 72	.....
April	21,801 09	25,924 21	.....
May	6,333 79	104,689 93	$ 2,664 00
June	12,773 26	11,163 50	761 52
July	48,495 20	2,145 81	9,971 64
August	4,244 20	6,224 52	5,873 19
September	1,370 62	767,172 49	4,423 88
October	5,358 62	11,272 85	155 00
November	13,618 20	13,710 67	415 67
December	2,857 20	23,657 76	66 50
	$204,346 68	$1,037,151 74	$ 24,331 40

Eastern District	$ 204,346 68
Western District	1,037,151 74
Annexed District	24,331 40
Total	$1,265,829 82

TABLE G.

Showing the number of fire-alarm boxes that each Company responds to on the first, second and third alarms.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 1 Engine Company	55	120	43	218
No. 2 Engine Company	75	96	29	200
No. 3 Engine Company	62	66	53	181
No. 4 Engine Company	61	79	51	191
No. 5 Engine Company	54	39	103	196
No. 6 Engine Company	76	70	88	234
No. 7 Engine Company	76	137	30	243
No. 8 Engine Company	96	47	57	200
No. 9 Engine Company	79	37	48	164
No. 10 Engine Company	71	70	64	205
No. 11 Engine Company	39	12	3	54
No. 12 Engine Company	35	18	66	119
No. 13 Engine Company	60	83	33	146
No. 14 Engine Company	43	3	....	46
No. 1 Hook and Ladder Company	55	61	43	159
No. 2 Hook and Ladder Company	61	100	20	181
No. 3 Hook and Ladder Company	54	18	14	86
No. 4 Hook and Ladder Company	72	60	49	181
No. 5 Hook and Ladder Company	45	36	83	184
No. 6 Hook and Ladder Company	49	50	26	125

Number of Fires and Losses each year since the organization of the Paid Fire Department.

Year.	No. of Fires.	Losses.
1859	98	$350,000 00
1860	112	310,000 00
1861	117	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 00
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 00
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
The total loss by fires in 30 years has been		$12,997,555 76

SUMMARY OF THE SERVICE DONE BY THE FIRE DEPARTMENT, AT FIRES DURING 1888.

Aggregate number of times the Engine Companies have responded to fires when the alarms were received from street boxes, 1531.

Aggregate number of times the Hook and Ladder Companies have responded, 604.

Aggregate number of times Engine Companies have transferred to the houses of the central companies when they were away at fires, 319.

Aggregate number of times the Hook and Ladder Companies have transferred, 211.

Aggregate time the Engines were working at fires 1,009 hours.

Aggregate time the Hook and Ladder Trucks were in service 1,180 hours.

The number of feet of hose laid at fires was 358,350 or about 68 miles.

Number of ladders raised 951.

Aggregate number of hours the members of Engine Companies were in service 4,308 or 179½ days.

Aggregate number of hours the members of Hook and Ladder Companies were in service 2,112 or 88 days.

Number of times the fire extinguishers were used: the six gallon extinguishers 1,205 times and the fifteen gallon extinguishers 392 times. Amount of the solution used by them, 8,790 gallons.

FIRE PLUGS AND WATER.

There are several localities where the water supply is not adequate, and among the most important is the section north of Saratoga street, east of Calvert street and west of Jones' Falls, where there are large manufacturing interests. The water mains are small and but few fire plugs.

On Boston street, from Chester to Clinton street, over one mile in length, there are not more than ten fire plugs, and the water front extending along the line of Boston street, is covered with packing houses, manufactories, lumber yards and other inflammable property, and many of them are so situated that the engines cannot go through or around them to the water at the wharves, and by having fire plugs the engines can get to work much quicker and perform better service than when drafting water from the docks, as the salt water when worked in the boilers of some of the Engines causes them to foam and lose steam.

During the past year one hundred and seven fire plugs have been put up in new localities and in a number of places in the business centre, notably, along west Lombard street; where there were small pipes leading to

the fire plugs new fire plugs have been put up, with five-inch pipes to supply them from the large mains, and water mains have been laid and a number of fire plugs put in to protect the thickly built up portion of the annexed districts adjacent to the old boundary. The total number of fire plugs now in service is eleven hundred and eighty-three (1183).

Respectfully submitted,

JOHN M. HENNICK,

Chief Engineer.

LOCATION OF COMPANIES

— AND —

COMPANIES' SUPPLIES.

CHEMICAL ENGINE COMPANY No. 1,

Located on Brunswick street, near the Frederick Road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Wm. H. Taylor	47	Captain . ..	7 years .	527 Frederick road...	Conveyancer.
Hartman A. Miller ..	25	Hostler	18 months	562 Frederick road...	Teamster.
Geo. W. Neighoff ...	31	Houseman .	4 "	Carroll	Butcher.

CHEMICAL ENGINE COMPANY No. 2.

Located on Mary, near Retreat Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
James H. Merrick...	48	Captain....	7 years...	134 Mary street.....	Car Driver.
James K. Merriken ..	27	Hostler	5 months.	223 Francis street....	Driver.
James R. White.....	28	Houseman .	1 year ...	225 Retreat street....	Car Driver.

CHEMICAL ENGINE COMPANY NO. 3.

Located on Fifth street, near Charles street avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Joseph C. McGregor..	37	Captain	7 years ..	401 Huntingdon ave.	Car Driver.
John W. Potts.....	32	Hostler	1 year....	309 Eleventh street..	Engineer.
Robt. P. McFarland..	22	Houseman .	4 months.	183 Falls road.....	Car Driver.

CHEMICAL ENGINE COMPANY NO. 4.

Located at Waverly, York Road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
John T. Dillehunt....	53	Captain	7 years ..	202 Eleventh street..	Trader.
John P. Kidd.....	23	Hostler	4 months.	1039 York road.....	Driver.
James Hart	33	Houseman .	2 years ..	122 York road.....	Carpenter.

CHEMICAL ENGINE COMPANY No. 5.

Located on Gorsuch avenue, Homestead.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
George C. Sener.....	40	Captain . ..	1 year ...	304 Harford avenue..	Carpenter.
John Myers.....	36	Hostler	1 year ...	25 Gorsuch avenue..	Car driver.
John Lachman.....	38	Houseman .	1 year ...	32 Jackson street...	Butcher.

CHEMICAL ENGINE COMPANY No. 6.

Located on Belair avenue, extended.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Ed. W. Steinacker..	27	Captain . . .	1 year ...	North ave. and Gay st.	Lumber dealer.
Frank Maher.....	31	Hostler	3 years ..	41 Belair avenue.....	Driver.
H. W. Ellrick	26	Houseman .	6 months.	Belair ave. extended.	Marble polisher

CHEMICAL ENGINE COMPANY No. 7.

Located at Third avenue, Hampden.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
James P. Morris.....	28	Captain . ..	3 years .	Roland avenue.....	Blacksmith.
James L. Clarken....	30	Hostler	16 months	Hickory avenue.....	Blacksmith.
Albert Kailor.....	24	Houseman .	1 year ..	Sycamore avenue.....	Car conductor.

HOOK AND LADDER COMPANY No. 7.

Located at Waverly, York road.

NAMES.	AGE.	POSITION.	TIME IN S ERVICE.	RESIDENCE.	FORMER OCCUPATION.
Owen McGreevy.....	33	Hostler	1 year ...	1038 York road.....	Driver.

HOOK AND LADDER COMPANY No. 8.

Located on Brunswick Street, near the Frederick Road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Wm. H. Wright.....	48	Hostler.....	2 years...	617 Frederick avenue.	Collector.

HOOK AND LADDER COMPANY No. 9.

Located on Third Avenue, Hampden.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
John Jeffery.....	38	Hostler.....	1 year...	Wilson street	Laborer.

ENGINE COMPANY No. 1.

Located on Paca street, north of Fayette street.

NAME.	AGE.	POSITION.	TIME OF SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Charles E. Freeburger	41	Engineman.	13 years..	111 Pearl street.....	Machinist.
Thomas H. Meushaw.	32	Ass't Eng'n	4 "	636 W. Saratoga street	Machinist.
Lewis J. Fresh.....	45	Driver.....	17 "	107 Pearl street.....	Driver.
Edward R. Addison..	41	Fireman ...	14 "	228 Amity street.....	Machinist.
Geo. S. Stocksdale...	29	" ...	1 "	239 Myrtle avenue...	Huckster.
Members at Call.					*Occupation.*
Jacob H. Hayward...	65	Captain....	26 years.	631 W. Fayette street.	Painter.
John H. Osing.....	40	Fireman ...	4 "	623 W. Saratoga st..	Tinner.
George W. Minton...	27	" ...	3 "	541 Dolphin street...	Packer.
Joseph Lavinder.....	41	" ...	16 "	245 Pearl street.....	Carpenter.
Albert Oelman.....	23	" ...	6 months	325 W. German street	Blacksmith.
William C. McAfee..	24	" ...	10 "	1513 S. Charles street.	Plumber.
Wm. H. C. Laughlin.	43	" ...	3 "	922 W. Mulberry st..	Huckster.

ENGINE COMPANY No. 2.

Located on Barre street, west of Sharp Street.

NAME.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thomas E. Wheatly..	48	Engineman.	20 years .	640 West Lee street..	Machinist.
Joseph P. Whalen....	26	Ass't Eng'n	6 months.	221 W. Barre street..	Machinist.
John Boyd.....	37	Driver.....	8 " .	414 S. Sharp street...	Driver.
William R. Bolgiano.	30	Fireman....	2 years...	508 S. Sharp street...	Clerk.
Charles H. Hammel..	36	"	13 " ..	508 S. Sharp street...	Plumber.
Members at Call.					*Occupation.*
John J. Ledden.....	38	Captain....	11 years..	809 S. Fremont street.	Clerk.
Thomas S. Rodenhi..	52	Fireman ...	29 " ..	504 S. Howard street.	Chairmaker.
James Humes.....	45	" ...	20 " ..	137 W. Lee street....	Glass Cutter.
Louis Abel	36	" ...	2 " ..	821 Little Green street	Baker.
William Eckert.....	30	" ...	2 " ..	715 Little Green street	Brushmaker.
Charles Eichelberger.	40	" ...	8 " ..	718 Portland street...	Painter.
Charles Romosher....	51	" ...	19 " ..	608 S. Sharp street...	Gas-Fitter.

ENGINE COMPANY NO. 3.

Located on E. Lombard street, near High street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thos. H. Humphreys.	45	Engineman	16 years .	226 S. Eden street . .	Machinist.
Patrick F. Moriarity.	38	Ass't Eng'n	14 " .	918 E. Lombard street	Machinist.
John F. Pierce	45	Driver.	13 " .	173 N. Front street. .	Driver.
Wilbur F. Clark.	27	Fireman. . . .	2 " .	1140 E. Lombard street	Clerk.
William F. Pasterfield	34	" . . .	7 " .	904 Granby street. . .	Plumber.
Members at Call.					*Occupation.*
Richard A. Lindsey. .	45	Captain . . .	16 years .	909 Stiles street.	Paperhanger.
James L. Lindsey. . . .	47	Fireman . . .	10 " .	230 S. Exeter street. .	Paperhanger.
George C. Hodges. . . .	45	" . . .	6 " .	10 S. Central avenue	Painter.
John R. Battee.	38	" . . .	15 " .	1422 E. Lombard street	Bricklayer
G. Louis Schlinm. . . .	28	" . . .	8 months	1023 Eastern avenue. .	Boxmaker.
Thomas Howard.	42	" . . .	8 "	1068 Granby street. . .	Pressman.
Herman Fumbaugh. .	32	" . . .	8 "	1021 Eastern avenue. .	Driver.

ENGINE COMPANY No. 4.

Located on Lexington street west of North street.

NAMES.	AGE	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Frank K. Conway....	37	Engineman.	14 years.	208 N. Front street.	Machinist.
John Gaffney	33	Ass't Eng'n	12 "	1102 Clifton Place ...	Machinist.
Andrew J. Connelly..	33	Driver.....	10 "	325 Pearl street.....	Driver.
Henry Bierman.....	26	Fireman ...	2 "	7 S. Green street..	Stonecutter.
Constant Seibert.....	37	" ...	7 "	1101 Laurel street....	Hostler.
Members at Call.					*Occupation.*
George W. Horton...	43	Captain ...	26 years.	404 Chesnut street..	Wireworker.
George W. Bentz	48	Fireman ...	20 "	237 Pearl street.....	Mess. to Com.
James Allen.....	42	" ...	16 "	610 W. Barre street.	Printer.
Earnest Schultz.....	36	" ...	11 "	1347 Holland street..	Tinner.
Wilmer West	45	" ...	19 "	524 N. Gay street...	Tinner.
James Burke.....	37	" ...	5 "	217 N. Exeter street.	Moroc. finisher.
Joseph H. Daily.....	36	" ...	8 "	14 Watson street...	Stonecutter.

ENGINE COMPANY No. 5.

Located on Ann street, near Gough street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Frederick L. Nelson.	41	Engineman.	14 years..	404 S. Ann street....	Machinist.
John Linderman.....	41	Ass't Eng'n	8 "	2036 Bank street.....	Machinist.
Henry Murphy.....	37	Driver.....	9 "	254 S. Ann street....	Sugar Refiner.
Wm. B. Baker.....	31	Fireman....	7 "	208 S. Ann street....	Brass Finisher.
Wm. M. Burns.....	33	"	8 "	1730 Gough street....	Canmaker.
Members at Call.					*Occupation.*
Wm. G. Miller.....	65	Captain....	20 years..	1627 Gough street....	Carpenter.
James F. Reilly.....	36	Fireman....	9 "	1626 E. Lombard st..	Painter.
John H. Reitz.....	26	"	1 "	1841 E. Lombard st..	Merchant.
Charles E. De Witt..	38	"	4 "	15 S. Ann street.....	Carpenter.
James T. Pearl.....	32	"	2 "	434 Patterson Park av	Tobacco worker
Wm. T. Disney.....	39	"	14 "	252 S. Ann street....	Bricklayer.
John G. Baker.....	39	"	7 months	311 S. Regester street	Canmaker.

ENGINE COMPANY No. 6.

Located at the intersection of Gay and Ensor streets.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Matthew Mulligan...	51	Engineman.	18 years..	803 East Eager street.	Machinist.
Thomas F. Sexton....	34	Ass't Eng'n	8 months	936 E. Monument st..	Machinist.
John Clark.....	35	Driver.....	4 years..	514 Ensor street.	Hostler.
Lawrence Blake.....	43	Fireman ...	17 "	817 North Gay street.	Painter.
Benjamin F. Seip....	35	" ...	8 "	1429 Orleans street...	Plumber.
Members at Call.					*Occupation.*
Bernard Shaw.....	56	Captain ...	13 years..	423 North Exeter st..	Stonecutter.
George Mineburg....	46	Fireman....	17 "	218 N. Central avenue.	Barber.
James Gallagher.....	39	"	8 "	231 North Exeter st..	Plumber.
Charles Betz	35	"	4 "	1113 Orleans street...	Boot & shoe'mk
F. C. H. Berger.....	32	"	3 "	517 Ensor street.....	Saloon keeper.
Samuel McClaskey...	41	"	2 "	408 E. Monument st..	Plasterer.

ENGINE COMPANY No. 7.

Located on Eutaw street, corner of Druid Hill avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Jacob S. Corns.....	36	Engineman.	9 years..	729 N. Eutaw street..	Machinist.
Thomas S. Brown....	29	Ass't Eng'n	3 "	523 W. Lombard street	Machinist.
Francis B. Hart.....	39	Driver.....	3 "	1205 Division street..	Hostler.
William F. Morrow..	39	Fireman ...	11 "	726 N. Eutaw street..	Painter.
John J. Houck.....	38	" ...	9 "	704 N. Eutaw street..	Machinist.
Members at Call.					*Occupation.*
George H. Houck....	60	Captain....	27 years..	731 N. Eutaw street..	Railroad agent.
John H. Gildea.....	62	Fireman ...	29 "	1818 N. Eutaw street.	Driver.
Louis B. Scheive....	36	" ...	16 "	606 N. Eutaw street..	Paperhanger.
Samuel A. Seymour..	28	" ...	3 "	401 Druid Hill avenue	Canmaker.
John B. Bartell.....	24	" ...	3 months	1010 Granby street...	Rigger.
John Kelly.....	39	" ...	3 "	863 Ramsay street...	Driver.

ENGINE COMPANY No. 8.

Located on Mulberry street, east of Oregon street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Michael F. Walsh...	37	Engineman	14 years.	1065 W. Lexington st.	Machinist.
Cornelius P. Kuhan..	43	Ass't Eng'n	9 "	212 South Calhoun st.	Machinist.
William J. Stewart..	38	Driver.....	14 "	424 Arlington avenue.	Tinner.
G. R. Chapman.....	56	Fireman ...	17 "	933 Mulberry street.	Shoemaker.
Members at Call.					*Occupation.*
Edward C. Keyser...	38	Captain	12 years.	609 Pitcher street....	Canmaker.
A. J. Walter.....	51	Fireman....	17 "	1020 W. Saratoga st.	Cigarmaker.
Owen D. Burgess....	51	"	17 "	933 Mulberry street..	Silverplater.
Frederick Johnston..	45	"	13 "	1010 Mulberry street.	Carpenter.
Charles Airey.....	37	"	4 "	380 N. Schroeder st..	Cigarmaker.
Jacob Rupp.....	31	"	6 months	118 S. Gilmor street..	Plasterer.
Morris Rosenthal....	27	"	18 "	1517 W. Baltimore st.	Paperhanger.

ENGINE COMPANY No. 9.

Located on Madison Street, east of Broadway.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Daniel R. Rogers. ...	42	Engineman.	17 years..	1706 E. Madison street	Machinist.
William H. Stanton .	40	Ass't Eng'n	11 " ..	909 N. Broadway...	Machinist.
Joseph P. Kelly.	45	Driver... .	6 " ..	408 S. High street....	Hostler.
James McDevitt.	46	Fireman ...	17 " ..	1705 E. Madison street	Harnessmaker.
William F. Cuddy ..	31	" ...	6 Months.	1629 E. Madison street	Driver.
Members at Call.					*Occupation.*
David H. Macauley..	62	Captain	28 years..	1211 N. Eden street..	Painter.
Solomon Uhlfelder...	45	Fireman	17 " ..	931 N. Wolfe street..	Huckster.
Charles Fry.....	36	"	12 " ..	1607 E. Madison street	Huckster.
Lemuel Piercy	32	"	8 " ..	712 N. Caroline street	Laborer.
John H. Cruse.....	56	"	9 " ..	809 Ensor street.....	Cigarmaker.
Charles C. Neilson...	35	"	10 " ..	909 N. Chester street.	Bricklayer.

ENGINE COMPANY No. 10.

Located on Columbia avenue, near Poppleton street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John W. Walsh	39	Engineman.	12 years	1115 W. Baltimore st.	Machinist.
James Nugent	32	Ass't Eng'n	5 "	419 S. Poppleton st.	Machinist.
George W. Thorpe	38	Driver	8 "	889 Lemmon street.	Hostler.
Jesse G. Keilholtz	43	Fireman	15 "	896 W. Lombard st.	Mantel setter.
Members at Call.					*Occupation.*
William R. Ward	44	Captain	15 "	124 South Calhoun st.	Carpenter.
William Brady	34	Fireman	6 "	847 Columbia avenue.	Cigarmaker.
Samuel W. Marker	38	"	8 "	206 Arlington avenue.	Carpenter.
Jacob J. Brady	30	"	3 "	856 Columbia avenue.	Cigarmaker.
James Scott	34	"	3 "	808 Columbia avenue.	Trunkmaker.
Henry Zackerman	35	"	6 months.	755 Hamburg street.	Cigarmaker.
James Elliott	43	"	6 "	844 Rhinehart street.	Carpenter.

ENGINE COMPANY No. 11.

Located on Eastern avenue, corner of Patterson Park avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John Calder	42	Engineman.	18 years	2108 Gough street	Machinist.
A. M. Menniegue	41	Ass't Eng'n	6 "	1935 Gough street	Machinist.
Antone Kemp	39	Driver	1 "	212 South Chester st.	Driver.
H. R. Seippel	39	Fireman	14 "	434 Patterson P'k av	Barber.
Members at Call.					*Occupation.*
Andrew Perry	61	Captain	27 years	2108 Gough street	Patternmaker.
Albert H. Geir	34	Fireman	10 "	126 South Chapel st.	Painter.
Charles P. Nelson	46	"	12 "	2407 E Monument st.	Carpenter.
Richard V. Pittinger.	40	"	9 "	408 S. Collington av.	Carpenter.
Michael A. Lind	27	"	2 "	2124 Eastern avenue	Coach painter.
George Croucher	27	"	1 "	508 S. Patter'n P'k av	Canmaker.
John Koos	26	"	1 "	619 Plattfoot alley	Canmaker.

ENGINE COMPANY No. 12.

Located on Fort avenue, corner Johnson street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Michael Lycett.....	42	Engineman.	16 years .	1417 Battery avenue.	Machinist.
Thomas S. Atkinson.	39	Ass't Eng'n	8 "	1425 Johnson street..	Machinist.
Joseph W. Moon....	38	Driver.....	10 "	1501 Battery avenue.	Driver.
Edward C. Klessell..	36	Fireman...	7 "	1442 Johnson street..	Gilder.
George Stegman.....	28	" ...	2 "	1238 William street..	Laborer.
Members at Call.					*Occupation.*
Thomas Fitzpatrick..	52	Captain....	9 years .	137 Fort avenue	Tinner.
Benj. T. Wirts.....	49	Fireman...	20 "	44 Poultney street.	Collarmaker.
James Catterton.....	41	" ...	2 "	1460 William street..	Painter.
Emanuel Becker.....	43	" ...	2 "	43 James alley.....	Canmaker.
Charles Windus.....	27	" ...	1 "	1210 Battery avenue.	Laborer.
William Henkel.....	29	" ...	1 "	1438 Battery avenue..	Laborer.

ENGINE COMPANY No. 13.

Located at the intersection of Fremont street and Myrtle avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John H. Deal	46	Engineman	17 years	1519 Myrtle avenue	Machinist.
John A. Bannan	45	Ass't Eng'n	11 "	425 N. Poppleton st.	Machinist.
Thomas H. Wright	34	Driver	4 "	1608 Mulberry street.	Driver.
Julian Massieu	30	Fireman	4 "	2131 Division street	Driver.
Members at Call.					*Occupation.*
John Hoffman	41	Captain	12 years	1512 Argyle avenue	Canmaker.
Philip Bowen	37	Fireman	11 "	1112 Pennsylvania ave	Cigarmaker.
Lawrence Pistel	39	"	16 "	1544 Argyle avenue	Cigarmaker.
Wilbur Peirce	31	"	5 "	1434 Argyle avenue	Molder.
James Keyser	45	"	5 "	658 Pitcher street	China packer.
William R. La Shorne	42	"	16 "	1342 N. Fremont st.	Upholsterer.
Lee Conn	27	"	2 "	1119 Whatcoat street.	Driver.

ENGINE COMPANY No. 14.

Located on Hollins street, west of Monroe street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Samuel W. Stansbury	37	Engineman.	13 years..	1925 W. Baltimore st.	Machinist.
John Conway	33	Ass't Eng'n	6 "	1630 McHenry street.	Machinist.
William H. Dunn ...	37	Driver.....	4 "	1839 W. Baltimore st..	Hostler.
J. Oscar Healey.....	53	Fireman ...	28 "	1710 W. Fayette street	Carpenter.
Charles H. Baker....	36	" ...	9 "	1928 Hollins street...	Scalemaker.
Members at Call.					*Occupation.*
Wm. R. E. L. Mears.	28	Captain....	5 years..	17 N. Fulton ave..	Funeral direc'r
Allen Orem	38	Fireman ...	7 "	1932 Hollins street...	Painter.
Howard Scott.....	36	" ...	5 "	7 N. Mount street.	Bricklayer.
Philip Brady	26	" ...	2 "	116 S. Mount street.	Ironworker.
J. Tell Stewart.....	25	" ...	6 months	2005 W. Pratt street.	Photographer.
James Baldwin.....	33	" ...	3 years..	1819 Frederick avenue	Canmaker.

HOOK AND LADDER COMPANY No. 1.

Located on Harrison Street, near Fayette street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John T. Harney	41	Tillerman	9 months.	1421 N. Central av.	Excavator.
John B. Kelley	30	Ass't Till'n	2 years	611 E. Baltimore st.	Driver.
John T. Mulligan	29	Driver	4 "	11 N. High street	Driver.
John B. Keene	49	Ladderman.	23 "	1207 N. Eden street.	Carpenter.
Lewis Battee	27	"	16 months	1422 E. Lombard st.	Paper Hanger.
Cooper Elliott	35	"	1 year	9 S. Central avenue.	Driver.
Members at Call.					*Occupation.*
J. Albert Cassiday	27	Captain	4 years.	202 N. Front street.	Machinist.
Frederick Oelman, Jr.	31	Ladderman.	7 "	14 N. Front street.	Blacksmith.
Thomas B. Strahan	41	"	8 "	1209 Jackson street.	Currier.
William H. Hartman	30	"	6 "	909 Granby street	Plumber.
Wm. E. Van Russum	40	"	4 "	1238 E. Madison st.	Driver. [work'r
William E. Smith	29	"	1 month.	1322 Bolton alley	Tin& Sheet Iron

HOOK AND LADDER COMPANY No. 2.

Located on Paca street, near Fayette street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Charles Rolf	33	Tillerman	10 years	210 Pine street	Boxmaker.
John W. Blake	52	Ass't Till'n.	18 "	106 North Paca st.	Machinist.
Thomas Montgomery.	47	Driver	18 "	119 North Paca st.	Driver.
John W. Kelly	26	Ladderman.	2 "	738 Mulberry street	Driver.
William H. Thomas	28	"	18 months	727 Mulberry street	Wood turner.
Charles Stewart	23	"	10 "	317 West Saratoga st.	Clerk.
Members at Call.					*Occupation.*
Frederick Brannan	39	Captain	9 years	110 Pearl street	Harnessmaker.
Richard Henrix	38	Ladderman.	10 months	514 West Fayette st	Mariner.
John C. Fagan	27	"	4 "	805 Ramsey street	Hostler.
Frederick Schaffer	51	"	10 "	602 Constitution st.	China packer.
John Fredericks	26	"	4 "	1505 Milliman	Shoemaker.
Robert M. Brown	25	"	3 "	709 Hamburg street	Stove molder.

HOOK AND LADDER COMPANY No. 3.

Located on south Ann street, near Gough street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Louis Laux	32	Tillerman	9 years	211 N. Ann street	Confectioner.
John M. Downs	40	As. Till'm'n	18 "	2021 E. Fayette street	Painter.
William Baker	31	Driver	8 "	516 N. Chapel street	Laborer.
T. Benj. Levy	34	Ladderman.	4 "	2108 Orleans street	Painter.
Benj. Price	44	"	9 "	124 S. Bond street	Coffee roaster.
John McClellan	54	"	18 "	1720 Fairmount ave	Sailmaker.
Members at Call.					*Occupation.*
George W. Foxwell	41	Captain	18 years	1911 E. Bank street	Shipwright.
John A. Sauers	40	Ladderman.	9 "	123 S. Regester street	Cooper.
Andrew German	39	"	17 "	106 N. Ann street	Painter.
George Little	46	"	4 "	261 N. Ann street	Painter.
Joshua H. Miller	32	"	3 "	239 S. Regester street	Cigarmaker.
John Croucher	28	"	1 "	508 S. Ann street	Driver.

HOOK AND LADDER COMPANY No. 4.

Located on west Biddle street, near Druid Hill avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
William White.....	43	Tillerman ..	20 years..	918 George street....	Carpenter.
John J. Gill.....	58	As. T'llm'n.	29 " ..	631 W. Fayette street	Painter.
August Emerick.....	26	Driver	5 " ..	518 W. Biddle street.	Coal Dealer.
John H. Morgan.....	38	Ladderman.	16 " ..	226 Pearl street.....	Paper Hanger.
George Wohllebar...	29	"	2 " ..	887 N. Howard street	Laborer.
William A. Meushaw	36	"	2 " ..	1129 Etting street....	Mariner.
Members at Call.					*Occupation.*
Andrew Bilson.....	37	Captain	8 years ..	633 W. Lanvale st...	Plasterer.
George W. Allen....	45	Ladderman.	5 " ..	1121 Etting street....	Painter.
Patrick Burns.....	38	"	5 " ..	507 Union street.....	Laborer.
Michael J. McCormick	30	"	3 " ..	926 N. Eutaw street..	Brass Finisher.
John Kurne.....	29	"	2 " ..	415 W. Hoffman street	Shoemaker.
George W. Popp	33	"	6 months.	568 Preston street ...	Steam Fitter.

HOOK AND LADDER COMPANY No. 5.

Located on Aisquith street, near Oliver street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
George W. Haskell..	43	Tillerman..	12 years .	1318 Holland street..	Carpenter.
Fielding H. Lucas..	37	Ass't Till'n.	8 "	1330 Ensor street	Type moulder.
William H. Ryan ...	25	Driver	2 "	High and Hillen sts..	Driver.
William Quinn.....	38	Ladderman	2 "	1404 Holbrook st.....	Driver.
Martin Kirby	44	"	7 "	1216 East Biddle st..	Trunkmaker.
William J. Johns....	34	"	5 months.	1514 Harford avenue.	Bricklayer.
Members at Call.					*Occupation.*
Albert Ramia	33	Captain ...	5 years .	106 Water street.....	Restaurant.
William Wiley.....	46	Ladderman	2 "	1308 Harford avenue.	Cigarmaker.
Thomas Strahler.....	29	"	7 "	1320 Ensor street	Tinner.
William H. Riley ...	42	"	6 "	1316 Valley street ...	Painter.
Benjaman Fry.....	29	"	1 "	907 Watson street ...	Driver.
Alex. D. Chrismer...	42	"	11 "	1237 McElderry st ...	Machinist.

HOOK AND LADDER COMPANY No. 6.

Located on the corner of Hanover street and Ostend street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thos. D. O'Keefe	23	Tillerman	6 months	1343 S. Charles street.	Driver.
Geo. W. Cassedy	32	As. Till'm'n	9 "	1321 Hanover street.	Paperhanger.
Geo. D. Taylor	54	Driver	19 years.	1523 S. Charles street.	Driver.
Wm. F. Beal	28	Ladderman.	2 "	1117 Hanover street.	Canmaker.
James Gill	42	"	9 "	14 E. West street.	Molder.
August L. Eck	30	"	1 "	1231 Patapsco street.	Plumber.
Members at Call.					*Occupation.*
Wm. A. Larkins	26	Captain	3 years.	1102 Columbia av	Carpenter.
Albert Squires	46	Ladderman.	16 "	1732 Hanover street.	Carpenter.
Wm. Power	29	"	1 "	1610 Hanover street.	Painter.
Levin J. Broadwater.	40	"	15 "	1006 William street.	Ship Carpenter
Charles Causey	35	"	11 "	518 S. Eutaw street.	Canmaker.
Wm. E. Burrier	37	"	8 "	19 W. West street.	Laborer.

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1888.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
January.										
Monday	2	363	11.04	719 George street.	W. Wessenber.	Dwelling.	.....	.....	Three-story brick.	Loss $29.70; recall 11.20 a. m; defective flue; extinguishers 8 and 13 Engine and 4 Hook and Ladder Cos.
Monday	2	134	.....	6.28 Union Dock and Eastern avenue.	W. H. Burger.	Lumber Yard.	3.	1.	.....	Loss $25; recall 6.53 p. m.; incendiary.
Monday	2	141	.....	7.33 President street, near Aliceanna street.	Swain & Banks.	Lumber Yard.	3.	1. 3.	.....	Loss $66; recall 8.17 p. m.; incendiary.
Tuesday	3	151	9.43	..... 1427 E. Lombard st.	W. Wessagher.	Dwelling.	.....	3.	Three-story brick	Loss $35; recall 9.53 a. m.; children playing with matches.
Tuesday	3	156	.....	8.28 Wharf foot of Broadway.	Capt. Alex. Jones.	Steam Tug Boat "Anna Belle."	.....	3.	.....	Loss $250; recall 9.25 p. m.; overheated stove in cook house; extinguishers 3, 5, 9 and 11 Engine Cos.
Thursday	5	473	.....	10.23 409 Vincent alley.	Martha Jones.	Dwelling.	.....	4.	Two-story brick.	Loss $68; recall 10.48 p. m.; overheated stove; extinguisher 13 Engine Co.
Sunday	8	423	5.24	..... 710 W. Baltimore st.	R. Zimmerman & Bro.	Restaurant.	1.	2.	Three-story brick.	Loss $267; recall 5.55 a. m.; unknown.
Tuesday	10	431	6.22	..... S. E. Cor. King and Fremont streets.	Landon & King.	Furniture Manufacturers.	1, 2, 10.	2. 4.	Four-story brick.	Loss $1,210; recall 7.58 a. m.; overheated drying room.
Tuesday	10	54	9.25	..... 143 W. Henrietta st.	James Smith.	Dwelling.	2.	2.	Three-story brick.	Loss $237.37; recall 10.10 a.m.; unknown.

Tuesday	10	214	.....	3.32	1008 E. Fayette street.	S. Levi.	Dwelling.	6.	1.	Two-story brick.	Loss $1,065.48; recall 4.24 p. m.; overheated stove.
Tuesday	10	41	.....	6.57	N. W. Cor. St. Paul and Fayette streets.	D. J. Walshe.	Hotel, "Mansion House."	4.	1.	Five-story brick.	Loss $83 89; recall 7.58 p. m.; unknown.
Thursday	12	142	.....	10.07	S. E. Cor. Stiles and Exeter streets.	St. Leo Congregation.	Roman Catholic Church.	.....	1, 3.	Two-story brick.	Loss $76.44; recall 10. 54 p. m.; overheated stove; extinguishers 3, 5 and 6 Engine Cos.
Saturday	14	12	.....	5.55	25 Post Office avenue.	A. Austrian.	Dyeing Establishment.	.....	1.	Three-story brick.	Loss $20; recall 6.08 p.m.; unknown; extinguisher 4 Engine Co.
Saturday	14	158	.....	9.47	1419 Thames street.	R. C. Wells.	Grain Warehouse.	3, 4, 5, 6, 7, 9, 11.	1, 3.	Three-story brick.	Loss $8,061; recall 8.58 a. m., Sunday, 15th; unknown.
2d alarm.		....	.....	10.01							
Sunday	15	523	9.54	.....	426 S. Paca street.	J. Murphy.	Dwelling.	.....	4.	Three-story brick.	Loss $296.63; recall 10.58 a. m.; child playing with matches; extinguishers 1, 2, 7 and 10 Engine Cos.
Monday	16	17	9.07	.....	Patterson Park.	Baltimore City.	Carpenter Shop.	11.	3.	One-story frame.	Loss $35; recall 9.52 a. m.; overheated stove.
Monday	16	151	11.19	.....	18 S. Bethel street.	E. Richards.	Dwelling.	3.	3.	Three-story brick.	Loss $301.75; recall 12.01 p. m.; overheated stove.
Monday	16	165	11.21	.....	This box was pulled	for above named	fire.	.....	.....	.....	Loss none; recall 11.34 a. m.
Tuesday	17	165	9.14	.....	N. Broadway, between Fayette st. and Fairmount ave.	Church Home and Infirmary.	M. Epis. Congregation.	.....	3.	Four-story brick.	Loss $6.27; recall 9.55 a. m.; overheated stove-pipe; extinguishers 3, 5 and 11 Engine Cos.
Thursday	19	523	12.57	....	308 S. Eutaw street.	Annie Todd.	Restaurant and Boarding House.	2.	2.	One-story frame.	Loss $386.09; recall 1.45 a. m.; overheated stove.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Thursday	19	318	3.49	.....	8 W. Lexington street.	I. J. Barron.	Dress Goods Store.	1, 4.	1, 2.	Three-story brick.	Loss $6,736.35; recall 4.41 a. m.; overheated furnace.
Thursday	19	123	.....	6.30	418 & 420 E. Pratt st.	Bolton Bros.	Stor. Wareh'se	2, 3, 4.	1, 3.	Two-story brick.	Loss $3,768; recall 9.30 p. m.; unknown.
2d alarm.		....	.....	6.36	422 & 424 E. Pratt st.	F. W. Trimble & Bro	Sash Factory.	5, 6.		" " "	
					Stable alley.	W. H. Talbot.	Pack'g House			" " "	
					Stable alley.	G. W. Buck.	Stor. Wareh'se			" " "	
Thursday	19	54	.....	11.22	121 Hughes street.	James Tall.	Dwelling.	2.	2.	Two-story brick.	Loss $122.44; recall 2.07 a. m., Friday, 20th; overheated stove-pipe.
Sunday	22	382	10.47	.....	1919 Linden avenue.	G. S. Gaskin.	Dwelling.	.....	.....	Three-story brick.	Loss $17; recall 11.25 a. m.; defective flue; extinguisher 4 Hook and Ladder Co.
Sunday	22	234	.....	12.29	1819 Orleans street.	William Dravy.	Dwelling.	.....	3.	Two-story brick.	Loss $357.51; recall 1.23 p. m.; overheated stove; extinguishers 5, 9 and 11 Engine Cos.
Monday	23	431	.....	3.25	206 & 208 S. Fremont street.	Edward Goldman.	Eureka Pad Co.	1, 10.	2.	Four-story brick.	Loss $428.13; recall 3.54 p. m.; dress of one of the girls taking fire from stove.
Monday	23	12	.....	9.06	425 E. Baltimore st.	N. Bachrach.	Clothing Store	4.	1.	Three-story brick.	Loss $1,722.39; recall 9.38 p.m.; unknown.
Tuesday	24	14	11.59	.....	20 Albemarle street.	I. Neutch.	Dwelling.	....	1.	Three-story brick.	Loss $30; recall 12.31 p. m.; fire made to thaw frozen pipe; extinguisher 3 Engine Co.

Wednesday	25	463	9.00	.....	511 Vincent alley.	S. Scott.	Dwelling.	.....	2.	Two-story.	Loss $108; recall 9.55 a. m.; upsetting of a stove; extinguishers 8, 10 and 13 Engine Cos.
Thursday	26	65	.....	5.18	McComas street, corner Creek alley.	G. R. Wickline.	Stable.	12.	2.	One-story frame.	Loss $500; recall 6.36 p. m.; unknown.
Friday	27	212	3.50	.....	113 N. Gay street.	Abb Smith.	Variety Thea.	1, 2, 3, 4, 5.	1, 2, 3,	Four-story brick.	Loss $6,368.76; recall 8.10 a. m.; overheated stove-pipe.
2d alarm.		....	4.00	.....	108 N. Frederick street	B. Armiger.	Carpenter Shop.	6, 7, 9, 10,12. 13.	5.	" "	
3d alarm.		....	4.15	.....	.....	.....	.....	.....	.....	.....	
Friday	27	314	.....	6.35	212 W. Franklin street	J. Warfield.	Dwelling.	.....	4.	Four-story brick.	Loss none; recall 6.50 p. m.; foul chimney.
Saturday	28	154	11.51	.....	1418 Block street.	A. Halstead.	Dwelling.	.....	.....	Two-story brick.	Loss $25; recall 12.09 p. m.; overheated stove; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Saturday	28	261	.....	3.42	1300 E. Eager street.	.....	Unoccupied.	.....	.....	Three-story brick.	Loss $40; recall 4.03 p. m.; sparks falling from open grate, used by workmen; extinguisher 5 Hook and Ladder Co.
Saturday	28	525	.....	11.04	114 W. Pratt street.	W. Meredith.	Restaurant and dwelling	.....	.....	Three-story brick.	Loss $70; recall 11.18 p. m.; overheated stove-pipe; extinguishers 2 Engine and 2 Hook and Ladder Cos.
Sunday	29	251	.....	4.30	828 & 830 Ensor street.	T. Brown, J. Martin.	Dwelling.	6.	5.	Two-story brick.	Loss $150; recall 5.06 p. m.; defective flue in No. 828 Ensor st.
Sunday	29	252	.....	11.06	1220 Greenmount ave.	T. Mooney.	Dwelling.	.....	.....	Three-story brick.	Loss $57.25; recall 11.28 p. m.; defective hearth; extinguishers 6 Engine and 5 Hook and Ladder Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 30	156	3.31	.....	802 S. Broadway.	A. Murphy.	Restaurant and dwelling	.....	3.	Three-story brick.	Loss $15; recall 3.51 a. m.; overheated stove; extinguishers 5 and 11 Engine Cos.
Monday 30	242	9.23	.....	Harford avenue and Monument street.	E. D. Onion.	Coal Elevator.	6.	1, 5.	one-story frame.	Loss $82.87; recall 10. 23 a. m.; unknown.
Monday 30	24	.....	8.16	455 N. Gay street.	H. Weinberg.	Shoe store and dwelling.	6.	1, 5.	Three-story brick.	Loss $835.01; recall 9.00 p.m.; heat from register.
Monday 30	315	.....	9.55	212 W. Monument st.	A. D. Egerton.	Dwelling.	.....	4.	Three-story brick.	Loss $80; recall 10.10 p. m.; gas jet in contact with curtain.
Tuesday 31	561	10.10	.....	Race street.	F. Dehn.	Coal oil store.	2, 10, 12.	2.	One-story brick.	Loss $473.50; recall 11.10 p. m.; coal oil in contact with stove caused an explosion.
February. Wednesday 1	354	.....	5.50	1209 John street.	Dr. Rosenberg.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 6.07 p. m.; foul chimney.
Friday 3	56	4.39	.....	170 W. Hamburg st.	C. Loemers.	Groce., saloon and dwelling	.....	.....	Three-story brick.	Loss $130; recall 5.25 a.m.; swinging lamp set fire to joist; extinguishers 2 Engine and 2 H. & L. Cos.
Saturday 4	152	2.24	.....	102 S. Regester street.	J. B. Schoedel.	Bakery and dwelling.	.....	3.	Three-story brick.	Loss $282.32; recall 3.28 a. m.; boiling over of a lard kettle; extinguishers 3, 5 and 11 Engine Cos.; three children rescued by 3 H. & L. Co.

Saturday	4	365	.....	11.19	306 Pennsylvania ave.	Dan'l Conroy.	Boot and shoe store and dwelling.	7, 8, 13.	4.	Three-story brick.	Loss $2,742.50; recall 12.31 a. m., Sunday, 5th; overheated stove; two persons rescued by 4 Hook and Ladder Co.
Monday	6	143	.....	5.54	1126 Philpot alley.	N. Jackson.	Dwelling.	.....	3.	Two-story brick.	Loss $53.76; recall 6.17 p. m.; overheated stove-pipe; extinguishers 3, 5, 9 and 11 Engine Cos.
Wednesday	8	156	8.16	.....	1337 Thames street.	W. Buckieski.	Saloon and dwelling.	.....	3.	Three-story brick.	Loss $35.50; recall 8.35 a. m.; children playing with matches.
Thursday	9	364	12.10	.....	535 Orchard street.	J. P. Baker.	Junk shop.	7, 13.	2.	Two-story brick.	Loss $478; recall 1.16 a.m.; supposed from rats nibbling matches.
Thursday	9	145	1.44	.....	1147 E. Baltimore st.	Silverman & Todes	Notion store and dwelling	3.	3.	Three-story brick.	Loss $7.298 07; recall 3.15 a. m.; unknown.
Thursday	9	143	.....	6.19	124 S. Central avenue.	J. A. Sauers & Co.	Cooper shop.	3, 5.	3.	Two-story frame.	Loss $125; recall 7.07 p. m.; defective flue.
Thursday	9	624	.....	8.48	N. W. Cor. Sharp and West streets.	H. S. Brewington & Co.	Pressed tin manufactory	2, 12.	2.	Four-story brick.	Loss $855; recall 9.28 p. m.; heat from furnace.
Friday	10	24	1.09	.....	503 N. Gay street.	G. S. Kahn.	Shoe and clothing store	.....	1, 4.	Three-story brick.	Loss $320.17; recall 1.48 a.m.; unknown; extinguishers 6 and 9 Engine Cos.
Friday	10	561	.....	10.10	Leadenhall street, between Stockholm and Ostend streets.	Henry Seim & Co.	Storage warehouse for glass.	2, 10, 12.	2.	One-story frame.	Loss $9,639.46; recall 3.20 a. m., Saturday, 11th; sparks from passing locomotive.
Saturday	11	5	.....	6.37	26 Light street.	R. T. Banks & Son Benedict Bros.	China & glassware store. Underwear manufactory	.....	1, 2.	Five-story brick.	Loss $210.50; recall 7.13 p.m.; unknown; extinguishers 2 and 4 Engine Cos.

Date.		Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday	13	252	.....	10.04	1302 Greenmount ave.	G. W. Fopless.	Dwelling.	.....	5.	Three-story brick.	Loss $25; recall 10.21 p. m.; explosion of coal oil lamp; Mrs. Fopless fatally burned.
Tuesday	14	367	.....	8.01	849 Harlem avenue.	J. A. Rea.	Dwelling.	.....	4.	Three-story brick.	Loss $224.36; recall 9.24 p.m.; unknown, extinguishers 7, 8 and 13 Engine Cos.
Thursday	16	3	.....	12.50	150 N. Holliday street, old "City Hall."	City of Baltimore.	Colored High and Grammar School.	.....	... ..	Two-story brick.	Loss none; recall 1.03 p.m.; Carrie Gibson, a scholar, was badly burned by her clothes taking fire from a stove, died several days after; nothing in service.
Friday	17	561	.....	11.29	Leadenhall street, near Ostend street.	Francis Streckfus.	Stable.	2.	2.	One-story frame.	Loss $450; recall 12.07 a.m., Saturday, 18th; unknown.
Tuesday	21	216	.....	7.55	506 Aisquith street.	A. Wilfred.	Dwelling.	.....	.....	Two-story and attic brick.	Loss $450; recall 8.37 p. m.; unknown; extinguishers 3, 6 and 9 Engine and 1 and 5 Hook and Ladder Cos.
Tuesday	21	543	.....	8.37	1212 Johnson street.	J. F. Buckley.	Dwelling.	.....	.....	Three-story brick.	Loss $20; recall 8.55 p. m.; explosion of coal oil lamp; extinguisher 12 Engine Co.

Wednesday	22	423	1.45	.....	739 W. Baltimore st.	S. Kaufman.	Dry goods store.	1. 8.	2.	Three-story brick.	Loss $5,515.90; recall 2.50 a. m.; overheated stove.
Wednesday	22	48	2.00	.....	1910 & 1912 W. Pratt street.	Seltier Bros.	Meat store and dwelling.	2, 8, 13.	4.	Two-story brick.	Loss $5,850; recall 5.10 a.m.; meat in smoke house falling in fire.
Friday	24	463	2.34	.....	Cole street, between Mount st. and Fulton ave.	Unoccupied.	Dwelling.	8, 10.	2.	Three-story brick.	Loss $227.41; recall 4.09 a. m.; incendiary.
Friday	24	214	5.17	.....	102 N. Exeter street.	M. Bergfelt.	Dwelling.	.....	.....	Three-story brick.	Loss $96.73; recall 5.53 a. m.; overheated stove; extinguishers 3, 4 and 6 Engine Cos.
Friday	24	526	.....	6.34	215 & 217 W. Pratt st.	M. Bergman.	Harness manufactory.	1, 2, 4, 10.	1, 2.	Four-story brick.	Loss $5,081.12; recall 10.24 p. m.; unknown.
Sunday	26	423	1.55	.....	847, 849 & 851 Raborg street.	John Sherer & Son	Storage warehouse for sash and door.	1, 2, 4, 5, 6. 7, 8, 10, 13.	1, 2, 3. 4, 5.	Four-story brick.	Loss $20,736.32; recall 5.33 p. m.; unknown.
Genral alarm		....	2.03	.....							
Sunday	26	526	.....	5.33	Cor. Sharp and Dover streets.	L. Kludhowski.	Dwelling.	.....	.....	Three-story brick.	Loss $153; recall 5.45 p. m.; children playing with matches; extinguisher 2 Engine Co.
Monday	27	151	11.23	.....	1426 E. Lombard st.	A. Silverman.	Dwelling.	.....	3.	Three-story brick.	Loss $185; recall 11.39 a. m.; overheated stove; extinguishers 3, 5 and 11 Engine Cos.
Monday	27	39	.....	3.41	Cary street, near Baker street.	.....	Female House of Refuge.	.....	4.	Three-story brick.	Loss $10; recall 3.59 p. m.; unknown.
Tuesday	28	613	.....	2.56	423 Hughes street.	M. Drexel.	Restaurant and dwelling	.....	2.	Two-story brick.	Loss $123.10; recall 3.31 p. m.; overheated stove; extinguishers 2 and 12 Engine Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 28	142	.....	10.07	313 S. High street.	D. Snyder.	Dwelling.	.....	3.	Three-story brick.	Loss $75.50; recall 10.23 p. m.; gas jet set fire to curtain; extinguishers 3 and 5 Engine Cos.
Wednesday 29	531	.....	2.04	737 Ramsay street.	Wm. Slorp.	Dwelling.	.....	.....	Three-story brick	Loss $29.30; recall 2.15 p. m.; overheated stove; extinguisher 10 Engine Co.
Wednesday 29	214	. ....	11.45	21 Painters court.	D. Jackson.	Dwelling.	.....	1.	Two-story brick.	Loss $22.50; recall 12. 18 a. m., Thursday, March 1st; explosion of coal oil lamp.
March. Thursday 1	421	.....	6.40	418 Myrtle avenue.	I. Hartz.	Dwelling.	.....	2.	Three-story brick.	Loss $181.43; recall 6.54 p. m.; explosion of coal oil lamp.
Thursday 1	24	.....	9.30	463 N. Gay street.	S. Katzenberg.	Shoe store.	6.	1. 5.	Three-story brick.	Loss $3,138.58; recall 10.32 p m.; overheated stove.
Friday 2	535	9.34	.....	1419 Ward street.	G. Colbert.	Dwelling.	.....	.....	Two-story brick.	Loss none; recall 9.50 a. m.; overheated stove; extinguisher 10 Engine Co.
Sunday 4	251	10.25	.....	1011 Aisquith street.	A. Shwarger.	Dwelling.	.....	4.	Three-story brick.	Loss $31.80; recall 10. 40 a. m.; unknown.
Sunday 4	362	.....	8.04	725 Chesnut alley.	W. Bloxham.	Dwelling.	.....	.....	Three-story brick.	Loss $50; recall 8.23 p. m.; overheated stove; extinguisher 4 Hook and Ladder Co.

Tuesday	6	532	9.55	.....	545 W. Conway street.	L. Fonder.	Dwelling.	.....	2.	Three-story brick.	Loss $54.36; recall 10.05 a. m.; unknown; extinguishers 2 and 10 Engine Cos.
Tuesday	6	32	.....	5.29	636 Jasper street.	Martha James.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 5.40 p. m.; foul chimney; extinguisher 7 Engine Co.
Tuesday	6	621	.....	10.55	Skinner's ship yard, foot of West street.	Bay Line Co.	Steamboat "Florida."	.....	2.	.....	Loss $150; recall 11.42 p. m.; unknown; extinguisher 2 Engine Co.
Wednesday	7	26	2.09	.....	708 N. Gay street.	B. Pruzan.	Cigar manufactory and dwelling.	9.	1, 5.	Three-story brick.	Loss $1,828.30; recall 2.48 a. m.; overheated stove.
Thursday	8	56	... ..	7.18	Police Officer saw a bright light in a		new building.	.....	.....	.....	Loss none; recall 7.29 p. m.
Friday	9	251	9.42	.....	1027 Hillman street.	P. Kennedy.	Dwelling.	.....	5.	Two-story brick.	Loss $165.00; recall 10.20 a. m.; children playing with matches; extinguishers 6 and 9 Engine Cos.
Friday	9	613	.....	6.39	809 Covington street.	James Thomas.	Dwelling.	.....	.....	Three-story brick.	Loss $20; recall 6.52 p. m.; defective flue; nothing in service.
Friday	9	217	.....	11.07	600 Buren street.	R. Starr & Co.	Snuff manufactory.	.....	1, 5.	Four-story brick.	Loss $335; recall 12.07 a.m., Saturday, 10th; spontaneous combustion.
Saturday	10	314	.....	5.45	119 Franklin street.	H. C. Eaton.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 6.03 p. m.; foul chimney.
Sunday	11	264	11.51	.....	1500 McElderry street.	A. Schroeder.	Dwelling.	.....	5.	Three-story brick.	Loss $365; recall 12.17 p. m.; unknown; extinguishers 6 and 9 Engine Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Sunday 11	35	.....	9.50	877 Garden street.	A. Krunholtz.	Dwelling and restaurant.	.....	.....	Three-story brick.	Loss none; recall ——; overheated stove; extinguisher 7 Engine Co. This box was pulled but would not register on account o storm.
Monday 12	142	.....	12.25	412 S. Exeter street.	M. McNamara.	Dwelling and saloon.	.....	3.	Two-story brick.	Loss $28; recall 12.45 p. m.; defective flue; extinguisher 3 Engine Co.
Monday 13	154	.....	3.12	This alarm was caused	by accident, the	lineman was	cleaning the	box.	.....	Loss none; recall 3.26 p. m.
Tuesday 13	34	7.45	.....	1014 Cathedral street.	Dr. E. P. Keech.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall ——; foul chimney. This box was pulled but would not register on account of storm.
Tuesday 13	32	.....	7.35	N. Eutaw street.	Friends Society.	School house.	1, 7.	4.	Two-story brick.	Loss $215; recall 9.21 p. m.; unknown.
Tuesday 13	236	.....	1.40	403 Duncan alley.	C. Rappold.	Dwelling.	5, 9.	3.	Two-story brick.	Loss $390; recall 2.30 p. m.; unknown.
Thursday 15	164	2.04	.....	2033 Bank street. 2035 Bank street.	C. Eisenberg. T. Conroy.	Dwelling. Dwelling.	5, 11.	3.	Two-story brick. " " "	Loss $275.12; recall 2.57 a. m.; defective flue.
Friday 16	422	12.04	.....	226 E. Baltimore st.	B. Reilly.	Hotel and restaurant.	.....	1.	Five-story brick.	Loss $74.77; recall 12.36 a. m.; foul chimney; extinguisher 4 Engine Co.

Friday	16	416	12.46	.....	614 W. Baltimore st.	James Gordon.	Restaurant.	.....	2, 4.	Three-story brick.	Loss $410.36; recall 1.35 a. m.; defective flue; extinguisher 1 Engine Co.
Sunday	18	81	12.03	.....	1401 Andre street.	J. Rittinger.	Bakery and dwelling.	12.	.....	Two-story brick.	Loss $196.42; recall 12.53 a. m.; overheated furnace.
Monday	19	232	1.06	.....	514 Hampstead street.	R. Brunner.	Grocery store and dwelling	3.	1, 3.	Three-story brick.	Loss $754.36; recall 2.07 a.m.; unknown.
Monday	19	31	10.50	.....	Box pulled by accident	by Police Officer	showing a citi	zen how it	w'ked	.....	Loss none; recall 10.55 a. m.
Tuesday	20	182 162	1.33 1.37	....	Hooper's wharf, foot of Fell street.	Capt. Harry Mills.	Steam Tug Boat "Sidney."	3, 5, 11.	3.	.....	Loss $2,300; recall 2.19 a. m.; recall 5.29 a.m.; unknown.
Tuesday	20	271	3.47	.....	928 N. Ann street.	P. Hofmeier.	Bakery and dwelling.	6.	5.	Three-story brick.	Loss $556.25; recall 4.53 a. m.; overheated furnace.
Tuesday	20	474	.....	1.31	1710 W. Lanvale street.	W. E. Coale.	Dwelling.	.....	.....	Three-story brick.	Loss $81; recall 1.55 p.m.; unknown; extinguishers 13 Engine and 4 Hook and Ladder Cos.
Tuesday	20	217	.....	7.02	604 Buren street.	P. M. Caffray.	Soap factory.	.....	.....	Two-story brick.	Loss $5; recall 7.13 p. m.; unknown; extinguisher 6 Engine Co.
Wednesday	21	475	.....	3.41	Edmondson ave., near Kirby's lane.	M. Sheehan.	Dwelling.	.....	.....	Two-story frame.	Loss none; recall 4.05 p. m.; back draft of chimney.
Wednesday	21	28	.....	7.34	Belair avenue.	Cemetery Co.	Office of Baltimore Cem.	.....	.....	Two-story brick.	Loss $25; recall 8.03 p. m.; foul chimney.
Wednesday	21	346	.....	7.38	712 N. Howard street.	Dr. Roach.	Dwelling.	.....	.....	Three-story brick.	Loss $2; recall 7.47 p. m.; gas jet set fire to clothing; extinguisher 7 Engine Co.
Wednesday 2d alarm.	21	163	....	10.21 10.36	N. E. Cor. Baltimore and Wolfe streets.	R. Stumpfs.	Grocery and liquor store	3, 4, 5, 6. 9, 11.	1, 3.	Four-story brick.	Loss $27,836.36; recall 5.13 a.m., Thursday, 22d; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Thursday 22	156	.....	8.48	630 S. Broadway.	Wm. Weise.	Paint and oil store.	.....	.....	Three-story brick.	Loss $64.13; recall 9.25 p. m.; foul chimney; extinguisher 3 Hook and Ladder Co.
Saturday 24	324	10.07	.....	921 McCulloh street.	J. L. Gettier.	Dwelling.	.....	4.	Three-story brick.	Loss $10; recall 10.22 a. m.; heat from stove; extinguisher 7 Engine Co.
Monday 26	512	1.15	.....	29 and 31 S. Charles street.	Smith, Dixon & Co.	Paper warehouse.	4.	1, 2.	Four-story brick.	Loss $300; recall 3.27 a. m.; unknown.
Monday 26	143	.....	2.08	1417 Gough street.	H. Nagel.	Dwelling.	.....	3.	Three-story brick.	Loss $55.50; recall 2.24 p. m.; defective flue; exting'r 3 Engine Co.
Monday 26	381	.....	2.57	1610 Lorman street.	George Seamin.	Dwelling.	.....	4.	Three-story brick.	Loss $10; recall 3.14 p. m.; gas jet set fire to ceiling; extinguishers 8, 10 and 13 Engine Cos.
Tuesday 27	153	2.55	.....	1417 Eastern avenue.	Fred. Smith.	Bakery and dwelling.	.....	3.	Two-story frame.	Loss $194.04; recall 3.16 a. m.; defective flue; extinguishers 3 and 5 Engine Cos.
Tuesday 27	451	3.04	.....	1316 Harlem avenue.	W. A. Lilly.	"Windsor" Club House.	.....	4.	Four-story brick.	Loss $1,851.63; recall 4.22 a. m.; spontaneous combustion; extinguishers 8, 10 and 13 Engine Cos.
Wednesday 28	13	.....	8.18	708 E. Pratt street.	Chas. Hollander & Sons.	Furniture manufactory	1, 2, 3, 4, 5.	1, 2, 3, 5.	Five-story brick.	Loss $16,590.28; recall 3.31 a. m., Thursday, 29th; spontaneous combustion.
2d alarm.	....	.....	8.24	.....			6, 7, 9, 10.			
3d alarm.	....	.....	9.10	.....	.....	.....	12.			

Thursday	29	212	.....	1.59	12 Centre M'ket Space	G. Height.	Junk store.	.....	.....	Three-story brick.	Loss none; recall 2.10 p. m.; overheated stove; extinguisher 1 Hook and Ladder Co.
Thursday 2d alarm.	29	431	....	7.58 8.08	747 W. Pratt street.	Johns & Webster.	Furniture manufactory	1, 2, 4, 7, 8, 10.	1, 2, 4.	Three-story brick.	Loss $4,186.55; recall 10.20 p. m.; unknown.
Saturday	31	512	.....	12.36	36 S. Charles street.	Baker Bros. & Co.	Glass and chemical warehouse.	.....	.....	Four-story brick.	Loss none; recall 12.48 p. m.; back draft forced smoke down the chimney.
April. Sunday	1	419	10.03	.....	423 W. Mulberry st.	Anna Poole.	Dwelling.	.....	2, 4.	Three-story brick.	Loss $444.44; recall 10.45 a. m.; defective flue; extinguishers 1, 7 and 8 Engine Cos.
Sunday	1	128	.....	7.00	115 Centre Market Space.	L. Kornberg.	Grocery store and dwelling	.....	.....	Three-story brick.	Loss $140; recall 7.13 p. m.; rats gnawing matches; extinguishers 1 Hook and Ladder Co.
Monday	2	13	.....	2.19	Foot of McElderry's wharf.	M. J. & W. A. Brown.	Storage shed for hay.	3, 4.	1, 3.	One-story frame.	Loss $337.08; recall 4. 15 p. m.; incendiary.
Monday	2	235	.....	4.34	519 N. Patterson Park avenue.	John Sinclair.	Dwelling.	.....	.....	Two-story brick.	Loss $55.96; recall 5.04 p.m.; unknown; extinguishers 5, 9 and 11 Engine Cos.
Tuesday	3	39	.....	8.37	709 Cumberland street	M. White.	Dwelling.	.....	.....	Three-story brick.	Loss $5; recall 8.58 p. m.; explosion of coal oil lamp. Mrs. White fatally burned.
Wednesday	4	142	.....	2.46	409 S. Exeter street. 411 S. Exeter street. 413 S. Exeter street.	J. Lowman. Bridget Burns. Bridget Barret.	Dwelling. Dwelling. Dwelling.	3, 5.	3.	Two-st'y b'k&ate. " " " "	Loss $446.33; recall 4.02 p. m.; burning of straw in fireplace.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Thursday 5	162	2.49	.....	Swann's wharf, foot of	J. Parkhurst, Jr.	Storage shed	2, 3, 4, 5.	1, 3.	One-story frame.	Loss $16,075.66; recall 9.15 a. m.; unknown.
2d alarm.	....	2.56	.....	Fell street.	W. West & Son.	for 1525 bls. of coal oil.	6, 7, 9, 11.	.....	Two-story brick.	
Thursday 5	12	.....	1.36	3 N. Gay street.	M. D. Banks.	Furniture manufactory	.....	1.	Three-story brick.	Loss none; recall 1.45 p. m.; unknown.
Monday 9	153	.....	9.13	404 S. Caroline street.	Dr. M. Shirman.	Drug store and dwelling	.....	.....	Three-story brick.	Loss $137; recall 9.29 p. m.; overheated stove; extinguisher 3 Hook and Lad. Co.
Wednesday 11	151	11.15	.....	208 Dallas street.	Charles Penton.	Dwelling.	.....	3.	Two-story brick.	Loss $34; recall 11.30 a. m.; overh'd stove.
Wednesday 11	35	.....	2.22	876 Tyson alley.	Mary Brown.	Dwelling.	.....	4.	Three-story brick.	Loss $45; recall 2.52½ p. m.; children playing with matches; extinguishers 7 and 8 Engine Cos.
Friday 13	232	1.11	.....	128 N. Broadway, in the rear.	S. Rosenstock.	Stable.	9.	3.	Two-story frame.	Loss $300; recall 2.15 a. m.; unknown.
Saturday 14	27	.....	3.15	810 McDonough street	G. W. Taylor.	Dwelling.	.....	.....	Three-story brick.	Loss $70; recall 3.37 p. m.; overheated stove; extinguisher 9 Engine Co.
Saturday 14	217	.....	3.58	348 N. Front street.	Henry Fay.	Dwelling.	.....	1, 5.	Two-story brick.	Loss $63.50; recall 4.19 p. m.; sparks from a smoke-stack; extinguishers 3, 4, 6 and 9 Engine Cos.
Saturday 14	54	.....	3.54	813 Plum alley.	Sieck & Son.	Stable.	1, 2, 12.	2, 6.	Two-story brick.	Loss $633.32; recall 5.13 p. m.; sparks from a cupolo of iron furnace.

Saturday	14	51	.....	8.43	212 and 214 E. Pratt st.	Justis & Kamler.	Produce store	4.	1, 2.	Four-story brick.	Loss $305.62; recall 9.30 p.m.; unknown.
Sunday	15	54	2.11	.....	635 S. Howard street.	S. Collman.	Dwelling.	.....	.....	Three-story brick.	Loss $90.50; recall 2.26 a. m.; overheated stove-pipe; extinguisher 2 Engine Co.
Monday	16	13	.....	12.47	Jones' Falls, near Pratt street bridge.	City of Baltimore.	Dredging machine.	.....	.....	.....	Loss none; recall 12.57 p. m.; explosion of a can of coal oil; nothing in service.
Thursday	19	36	4.21	.....	1112 Patterson avenue	M. J. Klunk.	Carpenter Shop.	13.	4.	Two-story frame.	Loss $1,145.64; recall 5.18 a.m.; unknown.
Thursday No. 5 H. & L.	19	354 Co.	..... called	7.42 9.48	S. E. Cor. Park ave. and Townsend street	John Harris.	Stable.	7, 8, 13.	4, 5.	Two-story stone.	Loss $6,550; recall 2.26 a. m., Friday, 20th; unknown; 23 mules burned to death.
Saturday	21	241	8.02	.....	430 and 432 N. Front street.	H. M. Koehler.	Bottlingestablishment.	3, 4, 6, 9	1, 4.	Two-story brick.	Loss $1,889.54; recall 9.10 a.m.; unknown.
Thursday No. 7 Engine	26	561 Co.	..... called	8.15 8.48	S. W. Cor. Ostend and Leadenhall streets.	Henry Seim & Sons.	Window glass manufactory	1, 2, 10, 12.	6.	Two-story brick.	Loss $15,909; recall 3.15 a. m., Friday, 27th; supposed from stove in office.
Friday	27	561	1.50	.....	79 W. West street.	William Dean.	Coal oil warehouse.	2, 10, 12.	2, 6.	One-story brick.	Loss $1,101.31; recall 3.20 a.m.; unknown.
Friday	27	475	11.24	.....	1716 N. Carey street.	None.	Not occupied.	.....	4.	Three-story brick.	Loss none; recall 11.40 a. m.; boys playing with matches.
Sunday	29	212	2.49	.....	8 Centre Market Space	Isaac Sachs.	Clothing Store	4.	1.	Three-story brick.	Loss $1,946.40; recall 3.33 a. m.; supposed from the falling of a swinging coal oil lamp.
May.											
Tuesday	1	243	9.44	.....	809 Union court.	Maggie Barney.	Dwelling.	6.	5.	Two-story brick.	Loss $260; recall 10.32 a. m.; children playing with matches.
Wednesday	2	514	.....	2.55	112 S. Eutaw street.	A. & S. R. R. Co.	Office and dwelling.	.....	.....	Three-story brick.	Loss $45; recall 3.12 p. m.; child threw a lighted match

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
										among paper; extinguishers 2 Engine and 2 Hook and Ladder Cos.
Thursday 3	36	12.40	.....	939 Druid Hill avenue.	C. Hild.	Bakery.	.....	.....	Three-story brick	Loss none; recall 12.49 a. m.; back draft of smoke in chimney.
Thursday 3	136	4.27	.....	176 W. Falls avenue.	Cochran-Oler Ice Co.	Ice house.	2, 3, 4, 5. 6, 11.	1, 2, 3.	One-story frame.	Loss $3,916; recall 8.27 a. m.; unknown.
2d alarm.	....	4.34	.....							
Friday 4	134	.....	6.52	512 W. Falls avenue.	S. McKay.	Kindling wood mill.	3.	1, 3.	One-story frame.	Loss $270; recall 7.42 a. m.; heat from boiler.
Wednesday 9	272	1.47	.....	Mine Bank Lane.	Nichol & Kline.	Brick yard.	.....	5.	One-story frame shed.	Loss $127.50; recall 8.51 a. m.; unknown; extinguishers 6 and 9 Engine Cos.
Thursday 10	156	8.10	.....	806 S. Broadway.	J. E. Doyle.	Dwelling.	.....	.....	Three-story brick.	Loss $55.21; recall 8.25 a. m.; children playing with matches.
Thursday 10	41	.....	7.02	9 N. Charles street.	C. Banks.	Furniture store.	2, 4.	1, 2.	Four-story marble	Loss $823.68; recall 8.20 p. m.; spontaneous combustion.
Friday 11	521	.....	9.39	11 W. Pratt street.	F. X. Ganter.	Show case and organ manufactory.	1, 2, 3, 4, 5. 6, 7, 8, 9, 10, 12.	1,2,4,5 6.	Five-story brick.	Loss $72,281.01; recall 6.47 p. m., Saturday, 12th; unknown.
General alarm	....	.....	9.49							
Friday 11	413	.....	10.36	106 Park avenue.	J. M. Sudsburg.	Wood carving establishm't	8.	3.	Three-story brick.	Loss $1,046.90; recall 11.32 p. m.; unknown.
Friday 11	452	.....	10.55	Stricker and Saratoga streets.	C. W. Collins. 17	Grocery and dwelling.	10.	.....	Three-story brick.	Loss $73; recall 11.56 p. m.; unknown.

Saturday	12	12	11.05	.....	This box was sent out	by mistake, it	should have	been 312 box	.....	.....	Loss none; recall 11.10 a. m.; loss $66.65.
Saturday	12	4	.....	4.15	135 E. Baltimore st.	W. U. Tel. Co.	Telegraph office.	.....	1.	Five-story brick.	Loss $100; recall 5.25 p. m.; lightning coming in wires; extinguisher 4 Engine Co.
Sunday	13	154	.....	6.14	1403 Block street.	J. McDonald.	Dwelling.	.....	3.	Two-story brick.	Loss $31.75; recall 6.36 p. m.; overheated stove-pipe.
Monday	14	81	1.50	.....	Back shore Patapsco river.	Kagle & Gueder.	Storage for lime.	2, 12.	6.	One-story frame.	Loss $175; recall 3.43 a. m.; heat from lime kiln.
Wednesday	16	81	3.27	.....	Piers 31 and 32 Locust Point.	B. & O. R. R. Co.	Scow loaded with cotton	12.	6.	.....	Loss $11,737; recall 4.09 a.m.; unknown; B. & O. R. R. Co. Fire Brigade in service.
Thursday	17	516	11.13	.....	441 Ostend street.	T. Kerns.	Dwelling.	.....	6.	Three-story brick.	Loss $64.10; recall 11.41 a.m.; sparks from locomotive; extinguisher 12 Engine Co.
Thursday	17	143	.....	2.09	221 S. Central avenue.	O. Lancaster.	Dwelling.	.....	3.	Three-story brick.	Loss $10; recall 2.22 p. m.; sparks from chimney; extinguishers 3 and 5 Engine Cos.
Monday	21	143	5.29	.....	1114 E. Pratt street.	C. F. Brock.	Dwelling.	3.	3.	Three-story brick.	Loss $593; recall 6.00 a. m.; heat from oven.
Monday	21	38	.....	11.23	1357 N. Carey street.	G. B. Jean.	Dwelling.	.....	4.	Three-story brick.	Loss $41; recall 12.00 p. m.; unknown; extinguisher 13 Engine Co.
Monday	21	49	.....	11.31	Calverton road ext'd, (City annex.)	G. Dimling. George Staup.	Dwelling. Slaughter house.	8, 10. Ch. 1, 2, 3.	2.	Two-story brick. Two-story frame.	Loss $2,664; recall 4.40 a. m., Tuesday, 22d; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 22	521	.....	7.48	221 S. Charles street.	A. Freeman.	Dwelling.	.....	1.	Three-story brick.	Loss $299.34; recall 8.26 p. m.; coal oil lamp falling; extinguisher 4 Engine Co.
Monday 28	41	.....	10.42	25 E. Fayette street.	W. E. Taylor.	Tobacco store	4.	1.	Three-story brick.	Loss $80; recall 11.37 p. m.; unknown.
Tuesday 29	418	9.13	.....	203 N. Howard street.	Richards & Co.	Trunk factory	1.	2.	Three-story brick.	Loss $15; recall 9.44 a. m.; explosion of a barrel of varnish.
Thursday 31	423	.....	4.39	661 W. Baltimore st.	Aaron Brag.	Carpet store.	1, 2, 4, 7.	2, 4.	Four-story brick.	Loss $18,912.58; recall
2d alarm.	....	.....	4.57	663 W. Baltimore st.	" "	Furniture "	8, 10, 13.	.....	Two-story brick.	7.45 p. m.; unknown.
				665 W. Baltimore st.	" "	" "			Two-story brick.	
June.										
Monday 4	472	3.47	.....	1908 Patterson avenue	M. McCaulay.	Restaurant and dwelling	8, 13.	4.	Two-story frame.	Loss $350; recall 4.56 a. m.; falling of a coal oil lamp.
Wednesday 6	21	.....	1.29	312 Bethel court.	Frank Emory.	Dwelling.	4.	1, 2.	Three-story brick.	Loss $80; recall 2.04 p. m.; sparks from smoke-stack.
Thursday 7	292	.....	5.18	Fair Oak avenue, Waverly.	Mrs. C. Toll.	Dwelling.	4 Chemical.	.....	Two-story frame.	Loss none; recall 5.35 p. m.; explosion of coal oil can.
Thursday 7	143	.....	5.27½	Cor. Spring and Gough streets, in the rear.	C. Frosberg.	Carpenter Shop.	3, 5, 11.	3.	Two-story brick.	Loss $245.25; recall 6.08 p. m; unknown.
Thursday 7	212	.....	5.31	704 Second street.	J. J. Bond.	Produce store	4, 6.	1.	Four-story brick.	Loss $144.65; recall 6.10 p. m.; sparks from factory adjoining.
Thursday 7	128	.....	8.47	116 Centre Market Space.	John Brown.	Dwelling.	4, 5.	1.	Three-story brick.	Loss $50; recall 9.18 p. m.; unknown.

Thursday	7	162	.....	9.20	Commercial wharf, foot of Thames st.	P. Dougherty & Co.	Steam tug boat "Favorite."	3.	3.	.....	Loss $1,000; recall 10.40 p. m.; heat from furnace.
Saturday	9	517	.....	12.23	Bayard and Paca sts.	Equitable Gas Co.	Gas works.	2, 8, 10.	6.	One-story frame.	Loss $525; recall 2.02 p. m.; sparks from a locomotive.
Sunday	10	14	2.40	.....	1145 E. Lombard st.	G. Moser.	Dwelling.	.....	.....	Three-story brick.	Loss $361.23; recall 3.50 a.m.; unknown.
					1147 E. Lombard st.	S. Heiner.	Dwelling.	.....	.....	Three-story brick.	
					1149 E. Lombard st.	James Manhein.	Dwelling.	.....	.....	Three-story brick.	
Sunday	10	156	3.14	.....	Brown's wharf.	M. Kearsey.	Steam tug boat "Juno"	.....	1.	.....	Loss $250.80; recall 4.07 a. m.; heat from furnace; steam tug "Sea Wall" in service.
Tuesday	12	423	2.04	.....	702 W. Baltimore st.	T. A. Steinmuller.	Stationery & music store.	1, 8, 10.	2.	Three-story brick.	Loss $3,212.33; recall 5.18 a.m.; unknown.
Tuesday	12	216	2.54	.....	1232 Orleans street.	P. Fleishman.	Bakery and dwelling.	.....	.....	Three-story brick.	Loss $25.60; recall 3.15 a. m.; unknown; extinguisher 6 Engine.
Tuesday	12	128	.....	11.20	104 Centre Market Space.	E. Cescia.	Saloon and boarding house.	... .	1.	Four-story brick.	Loss $43.33; recall 11.45; p. m.; falling of a coal oil lamp; extinguisher 3 Engine Co.
Saturday	16	52	1.50	.....	206 W. Barre street.	E. Newton.	Coffee roasting estab.	2, 10.	2, 6.	Two-story brick.	Loss $304.79; recall 3.13 a. m.; spontaneous combustion.
Sunday	17	182	2.05	.....	2201 Essex street.	W. Kanna.	Dwelling.	5, 9, 11.	3.	Three-story brick.	Loss $1,137.78; recall 3.27 a.m.; unknown.
					2203 Essex street.	S. Pfister.	Dwelling.			Three-story brick.	
					2205 Essex street.	S. Schraeder.	Dwelling.			Three-story brick.	
					2207 Essex street.	W. Fredericks.	Dwelling.			Three-story brick.	
Sunday	17	482	.....	8.49	438 Pulaski street.	J. Branski.	Grocery store.	8, 10. 2 Chemical.	2, 8.	Two-story brick.	Loss $1,665.62; recall 10.57 p. m.; falling of coal oil lamp; four persons injured by explosion of a barrel of coal oil.
Sunday	17	48	.....	9.04	This box was pulled	for the above fire.	.....	.....	.....	.....	Loss none; recall 9.35 p. m.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 18	412	.....	3.31	N. E. Cor. Charles and Baltimore streets.	G. P. Thomas, Jr.	Rubber goods store.	.....	.....	Five-story iron front with mansard roof.	Loss $10; recall 3.36 p. m.; lighted cigar set fire to awning; nothing in service.
Monday 18	451	.....	.....	1101 Harlem ave., in the rear.	W. H. Bentz.	Paint shop.	8, 13. 1 Chemical.	4.	Two-story brick.	Loss $483.20; recall 9.42 p. m.; spontaneous combustion.
Wednesday 20	145	.....	3.47	27 N. Central avenue.	C. Patzschke.	Dwelling.	.....	.....	Three-story brick.	Loss $31.28; recall 4.00 p. m.; children playing with matches; exting'rs 3 Engine and 3 H. & L. Cos.
Wednesday 20	48	.....	6.38	Hollins street ext'd.	C. Lipps.	Soap factory.	8, 10, 13. Chem. 1, 2.	2, 8.	Two-story brick.	Loss $1,047.82; recall 9.18 p.m.; unknown.
Wednesday 20	363	.....	10.12	613 Gilbert street.	Eugene Cook.	Dwelling.	.....	4.	Two-story brick.	Loss $23.60; recall 10.25 p. m.; upsetting of coal oil lamp; extinguishers 8 and 13 Engine Cos.
Thursday 21	15	5.04	.....	507 S. Broadway.	W. C. Hecht.	Shoe store and dwelling.	5, 11.	3.	Three-story brick.	Loss $9,215.03; recall 5.59 a.m.; unknown.
Thursday 21	49	.....	11.25	Lexington st., ext'd.	E. Degle.	Stable.	8. Chem. 1, 2.	2, 8.	One-story frame.	Loss $323.52; recall 12.33 a. m., Friday, 22d; unknown; one cow burned to death.
Friday 22	31	.....	11.50	N. E. Cor. Calvert and Pleasant sts., in the rear.	St. Francis R. C. Church.	Storage room.	4.	.....	One-story frame.	Loss $25; recall none; supposed from firecrackers.
Saturday 23	453	12.42	.....	726 Bruce street.	S. Andrews.	Dwelling.	.....	.....	Two-story brick.	Loss $11.50; recall 1.04 a. m.; clothing from a line fell on stove.

Saturday	23	15	.....	9.35	500 S. Broadway.	J. Scherers.	Notion store.	.....	3.	Four-story brick.	Loss $18.88; recall 9.56 p. m ; lighted paper fell in a basket.
Sunday	24	252	.....	2.41½	1323 Greenmount ave.	T. Space.	Dwelling.	Chemical 3.	5.	Two-story brick.	Loss $120; recall 3.11 p.m.; unknown; extinguishers 6, 7 and 9 Engine Cos.
Monday	25	217	.....	3.15	846 N. Front street.	M. McKenna.	Dwelling.	.....	.....	Two-story brick.	Loss $25.13; recall 3.41 p. m.; sparks from a smoke-stack in the rear; extinguishers 4 and 6 Engine Co.
Wednesday	27	531	9.58	.....	718 Ramsay street.	Joseph Gibson.	Dwelling.	.....	2.	Three-story brick.	Loss $47; recall 10.17 a. m.; children playing with matches; extinguisher 10 Engine Co.
Saturday	30	545	12.53	.....	Cor. Scott and Cross streets.	Franklin Square Baptist Church.	Place of worship.	10.	6.	Canvas tent.	Loss $125; recall 1.29 a. m.; incendiary.
Saturday	30	419	.....	1.26½	218 N. Eutaw street.	J. Crackard.	Paper hanging establishm't	.....	.....	Three-story brick.	Loss $435; recall 2.14 p. m.; unknown.
Saturday 2d alarm.	30	519	.....	11.35 12.00	S. W. Cor. Ostend and Russell streets.	Ed. White & Co.	Box making establishm't	1, 2, 8, 10.	2, 6.	Two-story frame, 700 feet long 200 feet wide.	Loss $3.359.94; recall 1.56 a. m., Sunday, July 1st; heat from furnace.
July.											
Sunday	1	236	7.07	.....	Philadelphia road.	Methodist Cemetery Co.	Tool house.	11.	3.	One-story frame.	Loss $125; recall 7.55 a. m.; supposed by tramps smoking.
Sunday	1	242	9.55	.....	807 Greenmount ave.	S. F. Franklin.	Dwelling.	.....	5.	Three-story brick.	Loss $13.50; recall 10. 10 a. m.; unknown; exting'er 6 Eng. Co.
Sunday	1	415	.....	7.43½	Cor. Howard and Garrett streets.	C. S. Wood.	Hotel "Howard House."	.....	.....	Five-story brick.	Loss none; recall 8.11 p. m.; soot in chimney.
Monday	2	462	.....	1.51	217 Monroe street.	T. Jones.	Dwelling.	.....	2, 8.	Three-story brick.	Loss $82.40; recall 2.33 p. m.; unknown; extinguishers 8 and 10 Engine Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 2	52	.....	7.11½	421 S. Howard street.	Lewis Paul.	Saloon and dwelling.	2.	2.	Three-story brick.	Loss $94.70; recall 7.37 p. m.; explosion of fire-works.
Monday 2	631	.....	7.16	S. E. Cor. Charles and West streets.	Ed. Allers.	Saloon and dwelling.	12.	6.	Three-story brick.	Loss $200; recall 7.30 p. m ; unknown.
Tuesday 3	295	.....	1.28	Ready avenue, Govanstown.	Frederick Pilson.	Dwelling.	Ch. 3, 4, 5, 6, 7	7.	Two-story frame.	Loss ——; recall 4.50 p. m.; defective flue; Baltimore county.
Tuesday 3	463	.....	5.35½	1850 W. Pratt street.	H. Bensler.	Stable.	1. Chemical 2.	2, 8.	Two-story frame.	Loss $32.50; recall 6.10 p. m.; spontaneous combustion of hay.
Tuesday 3	412	.....	8.07	Cor. Charles and German streets.	Gusdorf Brothers.	Clothing manufactory	.....	1, 2.	Five-story brick.	Loss $198; recall 8.35 p. m.; overheated gasoline stove.
Wednesday 4	143	.....	1.08	1118 Philpot street.	C. Jackson.	Dwelling.	.....	.....	Three-story brick.	Loss $8; recall 1.20 p. m.; fire-crackers set fire to the roof; exting'er 3 Engine Co.
Thursday 5	6	.....	10.36	115 E. Lombard street	Parrish Brothers.	Wholesale grocery.	4.	1.	Four-story brick.	Loss $30; recall 11.03 p. m.; overheated coffee pans.
Friday 6	525	11.32	.....	50 W. Camden street.	C. M. Palmer.	Chesapeake steam bakery	2.	2, 6.	Two-story brick.	Loss $268.13; recall 12.36 p. m.; defective chimney.
Saturday 7	218	.....	5.58	18 and 20 N. High st.	J. A. Owens & Co.	Steam box factory.	.....	1, 3.	Three-story brick.	Loss none; recall 6.12 p. m.; heat from boiler; burning of shavings; extinguishers 3 and 4 Engine Cos.

Saturday	7	534	.....	9.57	1100 Russell street.	B. Heineck.	Grocery store.	.....	.....	Three-story brick.	Loss $5; recall 10.26 p. m.; explosion of gasoline; extinguisher 10 Engine Co.
Saturday	7	158	.....	10.03	1530 Thames street.	J. Langley.	Brass foundry	.....	3.	Three-story brick.	Loss $30; recall 10.28 p. m.; defective chimney; extinguisher 5 Engine Co.
Saturday	7	62	.....	11.20	Cross street market.	C. Wright.	Butter stall.	.....	6.	.....	Loss $48; recall 11.28 p.m.; swinging gasoline lamp falling.
Sunday	8	423	3.13	.....	708 W. Baltimore st.	J. F. Hill.	Restaurant.	.....	2.	Three-story brick.	Loss $90; recall 3.37 a. m.; unknown; extinguisher 1 Eng. Co.
Sunday	8	36	.....	2.23	1040 Arlington avenue	J. L. Stone.	Stable.	13. Chemical 2.	4.	Two-story frame.	Loss $416; recall 2.56 p. m.; spontaneous combustion of new hay.
Monday	9	475	.....	12.15	604 Vincent alley.	W. T. Hoyt.	Stable.	.....	.....	Two-story brick.	Loss $5; recall 12.30 p. m.; unknown; extinguishers 8 and 13 Engine Cos.
Monday	9	422	.....	3.33	18 North street.	Morling & Myers.	Printing office	.....	1.	Three-story brick.	Loss $29.50; recall 3.54 p. m.; unknown; extinguisher 4 Engine Co.
Tuesday	10	174	.....	6.18	119 S. Washington st.	M. Fritch.	Dwelling.	.....	3.	Three-story brick.	Loss $31.45; recall 6.37 p. m.; explosion of a can of gasoline.
Tuesday	10	156	.....	6.33½	1608 and 1610 Thames street.	Kirwin & Tyler.	Can factory.	.....	3.	Three-story brick.	Loss none; recall 7.12 p. m.; explosion of a can of gasoline; extinguishers 5 and 11 Engine Cos.
Wednesday	11	158	.....	4.35	1606 Thames street.	Wm. Keene.	Brass foundry	2, 3, 4, 5.	1, 3.	Three-story brick.	Loss $30,595.04; recall 12.19 a. m., Thurs. day, 12th; explosion of a tank of gasoline.
2d alarm.		....	.....	4.42	1608 & 1610 Thames st.	Kirwin & Tyler.	Can factory.	6, 7, 9, 11.		" " "	
					1612 Thames street.	Kirwin & Tyler.	Can factory.			" " "	
					1614 Thames street.	E. Kircheimer & Co	Coppersmith.	24		" " "	

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Wednesday 11	493	.....	9.18	Franklin road.	None.	Flour mill.	Chem. 1, 2.	8.	Six-story brick.	Loss $9,500; recall 10. 27 p. m.; incendiary.
Thursday 12	161	.....	7.55	1745 and 1747 Alice-anna street.	John S. Smith.	Feed store.	3, 5, 9, 11.	3, 5.	Three-story brick.	Loss $1,976.01; recall 10.58 p. m.; unknown.
Friday 13	452	11.16	.....	227 N. Mount street.	J. Wickham.	Dwelling.	.....	4.	Two-story brick.	Loss none; recall 11.35 a. m.; foul chimney; extinguisher 8 Engine Co.
Friday 13	218	.....	1.01	8 N. High street.	M. Johnson.	Dwelling.	.....	1, 3.	Two-story brick.	Loss $25; recall 1.15 p. m.; sparks from smoke-stack in the rear.
Friday 13	313	.....	1.15	105 W. Franklin street	Mrs. Carter.	Board'g house	.....	4.	Four-story brick.	Loss $135; recall 1.28 p. m.; unknown; extinguisher 7 Engine Co.
Friday 13	624	.....	7.18½	100 West street.	M. Ward.	Dwelling.	.....	.....	Three-story brick	Loss $1.50; recall 7.30 p. m.; foul chimney; extinguisher 2 Engine Co.
Saturday 14	13	8.13	.....	211 McElderry's wharf	J. Q. A. Hollo-way.	Stor. Wareh'se	.....	1, 3.	Three-story brick.	Loss $40; recall 8.43 a. m.; sparks from chimney of adjoining house; extinguisher 3 Engine Co.
Saturday 14	145	.....	9.10	1405 E. Fayette street.	B. Bauersbaum.	Dwelling.	.....	3.	Three-story brick.	Loss $145; recall 9.24 p. m.; unknown.
Sunday 15	492	1.13	.....	Garrison lane.	S. Strauss.	Beer brewery.	14. Chem. 1, 2.	8.	One-story frame.	Loss $75; recall 2.34 a. m.; unknown.

Sunday	15	63	11.30	.....	1430 Light street.	G. Busch.	Dwelling.	.....	.....	Three-story brick.	Loss $60.64; recall 12. 14 p. m.; explosion of a gasoline stove.
Tuesday	17	218	1.14	.....	S. W. Cor Plowman and Albemarle sts.	C. Schwartzhaupt.	Saloon and dwelling.	.....	1.	Three-story brick.	Loss $350.58; recall 1.37 a.m.; unknown; extinguishers 3 and 4 Engine Cos.
Tuesday	17	423	11.32	.....	710 W. Baltimore st.	J. F. Hill.	Restaurant.	.....	2.	Two-story brick.	Loss $57.74; recall 11. 44 a. m.; unknown.
Thursday	19	371	10.39	.....	1009 N. Calhoun street	H. Mehners.	Carriage factory.	Chemical 2.	4.	Two-story brick.	Loss $100.62; recall 11.19 a. m.; sparks from chimney of adjoining house; extinguishers 8 and 14 Engine Cos.
Saturday	21	422	.....	9.19	218 E. Baltimore st.	John Louis. John W. Gibbs.	Saloon. Printing office	4.	1, 2.	Three-story brick.	Loss $1,704; recall 10. 25 p. m.; unknown.
Monday	23	272	.....	1.27	1836 E. Chase street.	F. Spunz.	Dwelling.	.....	.....	Three-story brick.	Loss $61.62; recall 1.46 p. m.; falling of a gasoline stove; extinguishers 9 Engine and 5 Hook and Ladder Cos.
Monday	23	491	.....	2.56	No cause for this alarm	(key 2673).	.....	. .....	.....	.....	Loss none; recall 3.09 p. m.
Monday	23	12	.....	7.10	109 and 111 N. Gay st.	Gunther & Fink.	Furniture manufactory	1, 2, 3, 4, 5. 6, 7, 9, 10.	1,2,5,6	Five-story brick.	Loss $13,660.08; recall 10.39 p.m.; supposed spontaneous combustion.
2d alarm.		....	.....	7.28							
Wednesday	25	292	.....	8.50	Gorsuch avenue.	J. Billings.	Dwelling.	Chemical 4.	7.	Two-story frame.	Loss $135; recall 9.12 p. m.; lighted match fell in bed.
Thursday	26	173	.....	7.56	2536 Alice Anna st.	J. Hofmeister.	Bakery and dwelling.	.....	3.	Three-story brick.	Loss $10; recall 8.20 p. m.; overheated oven; extinguisher 11 Engine Co.
Saturday	28	349	.....	12.32	315 L. Second street.	Wm. Kane.	Dwelling.	Chemical 3.	5, 7.	Two-story brick.	Loss $261.64; recall 1.20 p. m.; defective flue.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Sunday 29	51	7.18	.....	124 Light street.	Sinclair & Co.	Machine shop	.....	1.	Four-story brick.	Loss $10; recall 7.28 a. m.; spontaneous combustion; extinguisher 4 Engine Co.
Sunday 29	5	.....	1.04	Wine alley.	E. J. McDowell.	Carpenter Shop.	.....	1.	Two-story brick.	Loss $1; recall 1.18 p. m.; incendiary.
August. Wednesday 1	342	.....	12.57	1305 Maryland ave.	M. Leftwich.	Dwelling.	.....	4.	Three-story brick.	Loss $190; recall 1.11 p. m.; children playing with matches.
Thursday 2	391	.....	9.17	Pendsylvania avenue, near Retraat street.	Henry Knell.	Stable.	13. Chem. 2, 3.	4, 8.	Two-story frame.	Loss 741.95; recall 10. 56 p. m.; supposed incendiary.
Friday 3	164	1.38	.....	N. E. Cor. Chapel st. and Eastern ave.	L. Schmidt.	Brewers' supply store.	3, 5, 11.	3, 5.	One-story brick.	Loss $3,674.95; recall 5.16 a. m.; unknown.
				Chapel street.	J. H. Rauch.	Feed store.	.....	.....	Two-story brick.	
Friday 3	291	9.10	.....	25 St. Ann's avenue.	.....	Dwelling.	.....	.....	Two-story frame.	Loss none; recall 9.27 a. m,; back draft of chimney.
Friday 3	525	9.15	.....	5 W. Pratt street.	P. Tilghman.	Dwelling.	.....	.....	Three-story brick.	Loss $25; recall 9.34 a. m.; spontaneous combustion; extinguishers 2 Hook and Ladder Co.
Friday 3	28	11.06	.....	1874 Belair avenue.	A. Schriner.	Dwelling.	Chemical 6.	.....	Two-story frame.	Loss $91 50; recall 11. 24 a.m.; sparks from stove-pipe.
Saturday 4	523	1.10	.....	Burgundy alley.	C. Winternitz.	Stable.	1, 2.	2.	Two-story brick.	Loss $170; recall 2.16 a. m.; unknown.
Saturday 4	521	.....	7.19	Light street wharf.	S. Burns & Co.	Lumber Yard.	2.	1.	Two-story brick.	Loss $10; recall 7.28 p. m.; incendiary.

Sunday	5	512	7.45	.....	107 S. Charles street.	Hosmer Brothers.	Groeery store.	.....	1.	Three-story brick.	Loss $7; recall 7.58 a. m.; supposed incendiary.
Sunday	5	521	11.17	.....	18 E. Camden street.	H. F. Taylor & Co	Com. and produce store.	.....	1.	Three-story brick.	Loss $9.60; recall 11. 32 a. m.; supposed incendiary.
Sunday	5	391	.....	1.11	206 Mary street.	M. Krinder.	Dwelling.	Chemical 2.	7.	Two-story brick.	Loss $88.40; recall 1.33 p. m.; bursting of a coal oil stove.
Sunday	5	54	.....	9.07	140 Henrietta street.	D. Kraft.	Grocery and liquor store	... .	6.	Three-story brick.	Loss $220.96; recall 9.20 p. m.; falling of a coal oil lamp.
Tuesday	7	217	.....	9.50	1050 Front street.	R. Moore.	Dwelling.	.....	.....	Two-story brick.	Loss none; recall 10.07 a. m.; children playing with matches; extinguisher 6 Engine Co.
Friday	10	38	8.28	.....	1548 N. Fremont st.	W. Smitham.	Dwelling.	.....	4.	Three-story brick.	Loss $25.15; recall 8.40 a. m.; bursting of a gasoline stove; extinguisher 13 Engine Co.
Friday	10	214	.....	9.30	223 N. High street.	A. Webb.	Dwelling.	.....	1.	Three-story brick.	Loss $26.50; recall 9.50 p. m.; mattress set fire by intoxicated man.
Saturday	11	371	.....	5.00	1800 Lafayette avenue.	S. F. Sharrets.	Dwelling.	.....	.....	Three-story frame	Loss $25; recall 5.12 p. m.; bursting of gasoline stove; extinguisher 13 Engine Co.
Saturday	11	51	.....	8.30	44 E. Pratt street.	Anderson & Ireland.	Hardware store.	.....	1.	Three-story brick.	Loss $5; recall 8.59 p. m.; incendiary.
Monday	13	321	12.45	.....	Pennsylvania avenue, Cor. St. Mary's ct.	T. P. Lally.	Dwelling and restaurant.	1, 7.	2, 4.	Three-story brick.	Loss $750; recall 1.34 a. m.; unknown.
Monday	13	345	1.12	.....	Old Falls road, north of bridge.	Md. Cen. R. R. Co.	Repair shop.	4, 13.	4, 5.	One-story frame, 60 by 80 feet.	Loss $4,883.79; recall 5.00 a. m.; unknown.
2d alarm.		....	1.37	.....				Chemical 3.			

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 13	423	3.02	.....	719 W. Baltimore st.	N. Contogeirge.	Dwelling and eating saloon	.....	2.	Three story frame	Loss $328.23; recall 3.25 a. m.; explosion of coal oil lamp; extinguisher 1 Engine Co.
Tuesday 14	421	12.04	.....	Josephine street.	J. C. Toner.	Stable and storage room	1, 7, 8.	2, 6.	Two-story brick and frame 60 by 100 feet.	Loss $3,734.45; recall 3.38 a. m.; supposed by parties smoking in loft.
Wednesday 15	413	.....	4.32	216 W. Fayette street.	E. Fisher.	Dyeing establishment.	1.	1, 2.	Three-story brick.	Loss $423.20; recall 5.08 p. m.; explosion of gasoline.
Sunday 19	236	.....	4.36	128 N. Burke street.	D. Bryan.	Dwelling.	.....	3.	Two-story brick.	Loss $116; recall 4.58 p. m.; unknown; extinguishers 5, 9 and 11 Engine Cos.
Tuesday 21	17	.....	7.21	2201 Bank street.	H. Horst.	Bakery and dwelling.	.....	.....	Three-story brick.	Loss $13.70; recall 7.39 p. m.; gas set fire to curtain; extinguishers 11 Engine and 3 Hook & Ladder Cos.
Wednesday 22	322	9.20	.....	414 Druid Hill ave.	A. Schneider.	Restaurant and dwelling	7.	4.	Three-story brick.	Loss $196.53; recall 9.33 a. m.; explosion of escaping gas; boy fatally injured.
Thursday 23	35	8.45	.....	890 Linden avenue.	J. N. Matthews.	Grocery and dwelling.	7.	4.	Four-story brick.	Loss $85; recall 9.04 a. m.; gas set fire to curtain.
Friday 24	157	3.52	.....	620 S. Bond street.	H. Cohn.	Clothing store and tenem't house.	3, 5, 11.	1.	Two-story brick and attic.	Loss $235; recall 4.49 a. m.; sparks from chimney.

Friday	24	391	10.17	.....	Pennsylvania avenue, near Retreat street.	Alex. Peplar.	Slaughter house.	13. Chem. 2, 3.	4, 8.	One-story frame. Two-story frame.	Loss $135; recall 10.49 a. m.; supposed incendiary.
Saturday	25	242	.....	9.43	710 Harford avenue.	Fry Brothers.	Plaster mill.	.....	.....	Four-story brick.	Loss none; recall 10.00 p. m.; party saw steam issuing from window.
Saturday	25	39	9.14	.....	2220 Bouldin alley.	D. Griffith.	Dwelling.	.....	4.	Two-story brick.	Loss $20; recall 9.28 a. m.; child playing with matches.
Monday	27	318	.....	2.53	6 & 8 N. Charles st.	C. Ericson.	Jewelry repair shop.	.....	.....	Four-story brick.	Loss $30; recall 3.04 p. m.; explosion of alcohol lamp.
Monday	27	31	.....	8.34	340 N. Calvert street.	Capt. Lynch.	Boys' Home.	.....	1.	Four-story brick.	Loss $5; recall 8.55 p. m.; unknown; extinguisher 4 Engine Co.
Tuesday	28	163	11.18	.....	1909 E. Fayette street.	S. Holberg.	Dry goods store.	.....	3.	Three-story brick.	Loss $50; recall 11.35 a. m.; child playing with matches.
Tuesday	28	396	.....	7.31	Woodberry.	J. P. Benson.	Coal and wood yard.	.....	9.	One-story frame.	Loss $25; recall 7.40 p. m.; unknown.
September. Saturday	1	52	.....	1130½	102 Barre street.	I. Eppstein.	Dwelling.	.....	.....	Three-story brick.	Loss $100; recall 11.36 p. m.; window curtain taking fire from gas jet; extinguisher 2 Engine Co.
Sunday	2	526	4.24½	.....	101 S. Sharp street.	D. Holliday & Co.	Wh. dryg'ds st	1, 2, 3, 4.	1,2,3,4	Four-story brick	Loss $765,252.67; recall 10.00 a.m., Tuesday, 4th; Houseman
General alarm	....	4.30	.....		103 " "	Wiley, Brusstar & Co.	" "	5, 6, 7, 8, 9, 10, 11, 12, 13	5, 6.	with iron fronts	
					105 " "	S. H. Winkelman & Co.	" drug store	Ch. 1, 2, 3, 4		" "	John Acomb and Laddermen George
					107 " "	Tabb Bros. & Co.	" hardware	.....		" "	Bowers and Thomas
					109 " "	Ed. A. Prior & Co.	" notion.	.....		" "	Wagner, and Substitute Patrick J. Ryan
					111 " "	M. S. Levy & Sons	Straw hats.	.....		" "	of No. 2 Hook and
					113 " "	Dobler, Mudge & Co.	Wh'le paper store.	.....		" "	Ladder Co., Call
		30			115 " "	H. S. King & Sons	Wh. hardw'e.	.....		" "	Firemen Harry D.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
				117 S. Sharp street. 119 " "	Mrs. Rose Doyle. Balto. Mutual Aid Society.	Grocery store. Office.	....	....	Three-story brick. Three-story brick.	Walker and George Kern, and Substitute H. A. McAfee, of No. 7 Engine Co., were killed in No. 105 Hopkins Place. Houseman J. W. Kelly and Call Ladderman A. J. Eck, of No. 2 Hook and Ladder Co., were injured; unknown.
Sunday	2	521	10.43	..... 17 W. Camden street.	E. L. Palmer.	Bakery.	6.	.....	Three-story brick.	Loss $171.80; recall 11.30 a.m.; unknown.
Monday	3	234	.....	12.42 1741 Orleans street.	John Davis.	Dwelling.	.....	3.	Three-story brick.	Loss $100; recall 1.12 p. m.; children playing with matches.
Friday	7	535	8.14	..... Bush street, near Washington avenue.	J. A. McCready & Co.	Lamp-black. manufactory	10.	6.	One-story brick and frame.	Loss $175; recall 9.26 a. m.; sparks from furnace.
Saturday	8	534	9.14	..... 1132 Russell street.	M. Anthony.	Dwelling.	.....	6.	Three-story brick.	Loss $10; recall 9.26 a. m.; children playing with matches.
Saturday	8	212	11.14	..... 716 E. Baltimore st.	Ed. Nagle.	Restaurant.	.....	.....	Three-story brick.	Loss $25; recall 11.28 a. m.; bursting of a gasoline stove; ext'g'r 1 H. & L. Co.
Monday	10	534	2.09	..... N.W. Cor. Cross street and Burgundy alley.	Peter Bartell.	Grocery store.	.....	.....	Three-story brick	Loss $33.95; recall 2.23 a. m.; supposed incendiary; extinguisher 10 Eng. Co.

Tuesday	11	64	.....	7.29	Marshall street, near Wells street.	Matthai, Ingram & Co.	Tinware manufactory	12.	6.	One-story brick.	Loss none; recall 7.55 p. m.; leaking gasoline took fire from unknown cause.
Tuesday	11	13	.....	9.35	S. W. Cor. Pratt and President streets.	James Bates.	Iron foundry.	3.	1, 3.	Three-story brick.	Loss $20; recall 10.20 p. m.; sparks from chimney.
Thursday	13	491	.....	5.27	Calverton road.	B. & P. R. R. Co.	Freight cars with coal oil	8, 14.	1, 2, 3.	.....	Loss $4,000; recall 8.15 p. m.; collision.
Sunday	16	352	.....	2.46	1602 Bolton street.	John Ball.	Dwelling.	.....	.....	Three-story brick.	Loss $54; recall 3.00 p. m.; children playing with matches; extinguisher 4 Hook and Ladder Co.
Monday	17	54	3.50	.....	711 S. Sharp street.	D. B. Kelebe.	Cigar store and dwelling	.....	6.	Three-story brick.	Loss $71; recall 4.07 a.m.; supposed mice nibbling matches.
Wednesday	19	238	.....	10.51	833 N. Caroline street.	Henry Peters.	Carriage factory.	.....	.....	Three-story brick.	Loss $40; recall 11.15 p. m.; unknown; extinguishers 6 and 9 Engine Cos.
Friday	21	284	.....	7.29½	Oxford, near York road.	C. F. Wolf.	Stable.	Chemical 3. 4, 5.	7.	Two-story brick.	Loss $423.88; recall 12.37 a. m., Saturday, 22d; supposed spontaneous combustion.
Monday	24	315	.....	2.17½	213 W. Monument st.	A. Lilly, Jr.	Dwelling.	.....	.....	Four-story brick.	Loss $13.25; recall 2.33 p. m.; unknown; extinguishers 7 Engine and 4 Hook and Ladder Cos.
Monday	24	23	.....	7.11½	1513 Orleans street, in the rear.	Ben. Harney.	Stable.	.....	3, 5.	Two-story frame.	Loss $70; recall 7.33 p. m.; unknown.
Thursday	27	185	9.52	.....	3005 Lancaster street.	John Farber.	Dwelling.	.....	.....	Two-story brick.	Loss $33.50; recall 10. 10 a. m.; bursting of coal oil stove; extinguishers 11 Engine and 3 Hook and Ladder Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Thursday 27	163	11.21	.....	1816 Fairmount ave.	Ed. Smith.	Dwelling.	5.	3.	Three-story brick.	Loss $335,97; recall 1.05 p. m.; unknown.
Saturday 29	435	2.37	.....	40 McHenry street.	Wm. Duckett.	Dwelling.	.....	.....	Three-story brick.	Loss $2.50; recall 2.50 a. m.; supposed incendiary; extinguisher 10 Engine Co.
Saturday 29	165	7.34	.....	1701 Fairmount ave.	J. V. Campbell.	Dwelling.	.....	3.	Three-story brick.	Loss $62; recall 7.50 a. m.; bursting of water-back of stove.
Saturday 29	433	.....	2.37	1040 W. Pratt street.	Thomas Murphy.	Shoe store and dwelling.	.....	.....	Two-story brick.	Loss $95; recall 2.51 p. m.; overheated stove; extinguisher 10 Engine Co.
Saturday 29	142	.....	8.50	N. E. Cor. Bank street and Central avenue.	Marcus & Son.	Quilt manufactory.	3.	3.	Four-story brick.	Loss none; recall 9.25 p. m.; burning of loose cotton in the yard.
Sunday 30	318	2.20	.. ...	15 Wyoming street.	Mary Bell.	Dwelling.	1, 2, 4.	1, 2.	Two-story and attic brick.	Loss $439.05; recall 4.57 a. m.; supposed falling of a coal oil lamp.
Sunday 30	413	7.20	.....	18 & 20 McClellans al.	Radecke & Co.	Wooden box factory.	1, 2, 4, 6, 7.	1, 2.	Two-story brick.	Loss $970.67; recall 9.19 a. m.; overheated furnace.
Sunday 30	159	.....	1.57	507 S. Broadway.	S. Golander.	Dry Goods store.	.....	.....	Three-story brick.	Loss $239.85; recall 2.14 p.m.; unknown; extinguisher 3 Hook and Ladder Co.

Sunday	30	352	.....	6.52	1602 Bolton street.	Walter Ball.	Dwelling.	.....	.....	Three-story brick.	Loss $227.90; recall 7.10 p. m.; defective flue; extinguisher 4 Hook and Ladder Co.
October.											
Tuesday	2	174	.....	8.53	244 S. Collington ave.	R. Knox.	Dwelling.	11.	3.	Three-story brick.	Loss $276.48; recall 9.16 p.m.; unknown.
Wednesday	3	534	5.57	.....	Cor. Cross and Paca streets.	M. Wallace.	Storage shed for lime.	2, 10.	6.	One-story frame.	Loss $268.37; recall 7.03 a. m.; slacking lime set fire to woodwork.
Wednesday	3	12	.....	1.45	N. E. Cor. Baltimore and Holliday streets	G. F. Robelein.	Restaurant.	4.	1.	Four-story brick.	Loss $10; recall 2.25 p. m.; explosion of gas.
Thursday	4	421	.....	3.43	635 Wine street.	Joseph Galloway.	Dwelling.	.....	.....	Three-story brick.	Loss $12; recall 4.05 p. m.; sparks from chimney; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Friday	5	321	9.25	.....	St. Mary's court, near Pennsylvania ave.	Roman Catholic Church.	St. Sulpice Seminary.	1, 7, 8.	4.	Three-story and attic brick.	Loss $375; recall 10.28 a. m.; unknown.
Friday	5	35	.....	1.00	212 Richmond street.	M. McMullen.	Dwelling.	.....	4.	Three-story brick.	Loss $79.34; recall 1.23 p. m.; sparks from stove.
Saturday	6	35	3.28	.....	887 N. Howard street.	J. Marsheck.	Restaurant and dwelling	7, 8, 13.	4.	Three-story brick.	Loss $243.12; recall 3.54 a. m.; overheated stove.
Thursday	11	36	2.15	.....	Cor. Mosher st. and Argyle avenue.	J. R. Rice.	Grocery store and dwelling	13.	4.	Three-story brick.	Loss $761.90; recall 2.54 a.m.; unknown.
Thursday	11	31	.....	7.37	252 Davis street.	Thomas Taylor.	Stable.	.....	.....	Two-story brick.	Loss $15; recall 7.56 p. m.; overheated stove-pipe, extinguishers 4 Engine and 4 Hook and Ladder Cos.
Thursday	11	281	.....	7.38½	1871 Belair avenue, in the rear.	C. Roemer.	Stable.	9. Chem. 3,5,6.	5.	One-story frame.	Loss $155; recall 8.20 p. m.; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Saturday 13	245	12.15	.....	E. Madison street, near Forrest street.	State of Maryland. J. F. Weyler, warden.	Penitentiary Dwelling.	.....	1.	Three-story brick.	Loss $15; recall 12.48 a. m.; overheated heater; extinguisher 6 Engine Co.
Saturday 13	383	.....	8.09	564 Pressman street.	N. A. Thomas.	Dwelling.	Chemical 2.	4.	Three-story brick.	Loss $142.50; recall 8.39 p. m.; gas jet set fire to furniture.
Wednesday 17	218	.....	3.38	8 N. High street.	W. Johnson.	Dwelling.	.....	1.	Two-story and attic brick.	Loss $25; recall 3.53 p. m.; sparks from smoke-stack on adjoining building.
Wednesday 17	218	.....	6.48	Front street, near Plowman street.	.....	.....	.....	1.	.....	Loss $5; recall 7.08 p. m.; boys set fire to a barrel of benzine.
Monday 22	236	.....	4.35½	201 N. Washington st.	N. Glos.	Grocery store and dwelling	.....	3.	Three-story brick.	Loss $118.40; recall 5.06 p.m.; unknown.
Tuesday 23	6	.....	9.06	109 Cheapside.	C. Habighorst & Co.	Wholesale oil store.	1, 2, 3, 4. 5, 6, 7, 8, 9.	1,2,3,6	Four-story brick.	Loss $4,351.49; recall 4.37 a. m., Wednesday, 24th; unknown.
2d alarm.	....	.....	9.10	.....	.....	.....	.....	.....	.....	.....
3d alarm.	....	.....	9.12	107 Cheapside.	W. A. Simpson & Co	Seed store.	10, 12, 13.		Two-story brick.	
Thursday 25	7	4.17	.....	Riverside Park.	City of Baltimore.	Stable.	2, 12.	6.	Two-story frame.	Loss $105; recall 5.25 a. m.; supposed incendiary.
Thursday 25	261	10.59	.....	1049 N. Caroline st.	J. Regester, Sr.	Stable.	9.	5.	Two-story brick.	Loss $201.21; recall 11.45 a.m.; unknown.
Thursday 25	156	.....	9.40	1631 Shakespeare st.	J. Silate.	Saloon and dwelling.	.....	3.	Three-story brick.	Loss $73.88; recall 10.07 p. m.; lighted candle fell on a mattress.
Friday 26	71	1.20	.....	Cor. Lawrence and Clement street.	H. S. Platt & Co.	Oyster & fruit packing establishment	2, 10, 12.	2, 6.	Two-story brick.	Loss $6,264.29; recall 5.37 a. m.; supposed incendiary. John
2d alarm.	....	1.43	.....							

											Jones, the watchman, burned to death.
Saturday	27	521	.....	10.49	217 S. Charles street.	T. W. Fisher & Co	Produce store and storage warehouse.	2, 4.	1, 2, 6.	Two-story brick.	Loss $3,021.33; recall 12.04 a. m., Sunday, 28th; unknown.
Sunday	28	521	1.19	.....	217 S. Charles street.	T. W. Fisher & Co	" "	2.	1.	Four-story brick.	Loss none; recall 2.15 a. m.; rekindling of former fire.
Sunday	28	143	1.23	.....	221 S. Spring street.	L. Reynolds.	Dwelling.	9, 11.	3.	Two and one-half story brick.	Loss $267.16; recall 2.56 a. m.; falling of a coal oil lamp.
Sunday	28	413	9.29	.....	N. E. Cor. Baltimore and Sharp streets.	Strouse & Loebe Co.	Clothing manufactory	.....	.....	Four-story brick.	Loss none; recall 9.38 a. m.; smoke from chimney blowing in the warehouse.
November.											
Friday	2	346	.....	6.33	842 N. Howard street.	W. H. Granger.	Hair dressing establishm't	.....	.....	Three-story brick.	Loss $120.05; recall 6.41 p. m.; gas set fire to lace curtain.
Sunday	4	513	4.34	.....	107 S. Liberty street.	Harris & Shearer.	Brass foundry	.....	2.	Two-story brick.	Loss $36.60; recall 5.02 a. m.; sparks from stove.
Tuesday	6	418	8.12	.....	N. E. Cor. Eutaw and Lexington streets.	Uhlfelder & Fry.	Storage room.	.....	2.	Four-story brick.	Loss $5; recall 8 25 a. m.; unknown.
Tuesday	6	164	.....	6.14	2043 Bank street.	James Collins.	Dwelling.	.....	3.	Three-story brick.	Loss $60; recall 6.35 p. m.; lighted match fell on a bed.
Tuesday	6	424	.....	6.59½	210 Rock street.	Eld. Brooks.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 7.13 p. m.; foul chimney.
Thursday	8	16	1.40	.....	132 S. Ann street.	Jesse Vickers.	Dwelling.	5.	3.	Three-story brick	Loss $201.50; recall 2.17 a. m.; sparks from chimney of adjoining house.
Thursday	8	216	11.45	.....	Aisquith, near Jefferson st., in the rear,	Presbyterian Congregation.	Church, frame shed.	6, 9.	5.	One and one-half story frame.	Loss $79.30; recall 12. 15 p. m.; children play'g with matches.
Saturday	10	54	2.02	.....	828 S. Howard street.	Baltimore Plow Co. 36	Agricultural Imp. factory	1, 2, 10, 12.	6.	Two-story brick.	Loss $12,272.91; recall 5.57 a.m.; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Saturday 10	452	.....	11.09	1423 W. Fayette street, in the rear.	Mrs. J. A. White.	Dwelling.	.....	.....	Three-story brick.	Loss $42.99; recall 11.40 p. m.; unknown.
Sunday 11	65	10.45	.....	1736 S. Charles street.	J. Skinner.	Dwelling.	.....	6.	Two-story brick.	Loss $40; recall 11.10 a. m.; defective flue.
Sunday 11	26	.....	6.32	808 N. Gay street.	Hop Lee.	Laundry.	6, 9.	1, 5.	Three-story brick.	Loss $356.73; recall 6.53 p. m.; unknown.
Sunday 11	13	.....	6.44½	Long Dock, near Pratt street.	M. J. Brown & Bro.	Storage wharf for hay.	4, 5.	1, 3.	.....	Loss $184.62; recall 7.47 p. m.; unknown.
Monday 12	39	10.10	.....	1549 N. Stricker street.	George Gabler.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 10.29 a. m.; pot of pitch in yard taking fire.
Monday 12	13	10.55	.....	116 Concord street.	C. Hollander & Sons.	Engine and boiler room.	3.	3.	Two-story brick.	Loss $85.90; recall 12.15 p. m.; shavings taking fire.
Monday 12	428	11.14	.....	1037 W. Lexington st.	J. Delphey.	Dwelling.	.....	.....	Three-story brick.	Loss $309; recall 11.50 a. m.; sparks from chimney.
Wednesday 14	523	.....	7.28½	414 W. Conway street.	C. Lurssens.	Cigar box factory.	2.	2.	Three-story brick.	Loss $20; recall 7.46 p. m.; unknown.
Thursday 15	461	3.41	.....	1635 W. Pratt street.	A. Knoop.	Grocery and prov. store.	8, 14.	2.	Three-story brick.	Loss $114 62; recall 4.22 a.m.; unknown.
Saturday 17	425	.....	8.49	846 Raborg street.	L. L. Gardner.	Dwelling.	.....	2.	Three-story brick.	Loss $27; recall 9.05 p. m.; coal oil lamp set fire to clothing.
Saturday 17	154	.....	11.06	Mills street, near Philpot street.	Jas. Henneman & Co.	Fertilizer manufactory	3, 5, 9, 11.	3.	One-story frame, 40 feet high.	Loss $3,119.57; recall 1.23 a. m., Sunday, 18th; sparks from furnace.

Sunday	18	541	10.25	.. ..	845 China street.	John Young.	Stable.	2.	6.	Two-story frame.	Loss $30; recall 10.39 a. m; boys smoking in loft.
Monday	19	161	12.32	.....	1733 Canton avenue.	E. Jubb.	Dwelling.	5.	3.	Two-story frame.	Loss $91.50; recall 1.13 a. m.; unknown.
Wednesday	21	473	.....	7.11	401 Vincent alley.	Unoccupied.	.....	2 Chemical.	4.	Two-story brick.	Loss $75; recall 8.03 p.m.; defective flue. Paper hangers left a fire in the fire-place.
Friday	23	212	6.15	.....	716 E. Baltimore st.	Charles Nagle.	Restaurant and dwelling	.....	1.	Three-story brick.	Loss $105.54; recall 6.30 a.m.; unknown.
Friday	23	426	.....	8.10	18 Dewberry alley. 20 Dewberry alley. 22 Dewberry alley.	Annie Scott. J. McDermott. Jane McClean.	Dwelling. Dwelling. Dwelling.	8, 14. 2 Chemical.	2.	Two-story brick. " " " " " "	Loss $352.50; recall 9.44 p. m.; defective chimney; fire worked through cracks.
Saturday	24	253	.....	12.10	1437 N. Central ave.	V. Kohlhepp.	Dwelling.	.....	5.	Three-story brick.	Loss $95.69; recall 2.22 p. m., defective flue.
Saturday	24	235	.....	5.35½	2033 E. Monument st.	E. Phill.	Dwelling.	.....	.....	Three-story brick.	Loss $41.90; recall 5.59 p. m.; upsetting of a coal oil stove: extinguisher 9 Engine Co.
Saturday	24	282	.....	5.40	North ave., rear of Darley Park.	Geo. W. Hopper.	Stable and storage house	4, 5, 6 Ch.	7.	One-story frame.	Loss $415.67; recall 7.00 p.m.; unknown.
Saturday	24	183	.....	8.22	800 S. Luzerne street.	A. Rasmusson.	Paint store and dwelling	11.	3.	Three-story brick.	Loss $869.96; recall 9.14 p. m.; falling of a coal oil lamp.
Sunday	25	482	.....	12.10	Foot of Bentalou st., (B. & O. R. R. track.)	B. & O. R. R. Co.	Storage of old lumber.	8, 14. 1 Chemical.	2.	.....	Loss $125; recall 2.22 p. m.; sparks from locomotive; an engine of the B. & O. R. R. Co. in service.
Monday	26	65	.....	1.57½	1956 Hanover street.	George Bauman.	Restaurant and dwelling	.....	6.	Three-story brick.	Loss $130; recall 2.17 p. m.; overheated stove-pipe.
Monday	26	473	.....	2.32	512 N. Gilmor street.	W. Griffin.	Dwelling.	.....	.....	Three-story brick.	Loss $10; recall 2.57 p. m.; defective hearth; 8 Engine and 4 H. and L. Cos.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 26	215	.....	5.41½	206 Chesnut street.	Silas Holly.	Dwelling.	6.	1, 5.	Three-story brick	Loss $286.09; recall 6.36 p. m.; overheated stove.
Tuesday 27	162	2.20	.....	N. E. Cor. Fell and Thames streets.	Paul Thiel.	Theatre and tenem't house	5.	3.	Three-story brick.	Loss $172.49; recall 2.57 a. m.; incendiary.
Wednesday 28	141	8.55	.....	313 President street.	C. Roth.	Restaurant and dwelling	.....	.....	Three-story brick.	Loss $40.45; recall 9.13 a. m.; pot of varnish boiled over.
Thursday 29	422	1.14	.....	222 & 224 E. Baltimore st., in the rear.	Harrison & Whitelock.	Storage room for books and stationery.	.....	.....	Four-story brick.	Loss $7,826.96; recall 4.12 a. m.; heat from furnace on the third floor occupied by printers.
December.										
Saturday 1	354	.....	7.32	133 W. Hoffman st.	John Monroe.	Dwelling.	.....	.....	Three-story brick.	Loss $25; recall 7 42 p. m.; explosion of coal oil lamp. Fanny Monroe, colored, fatally burned.
Wednesday 5	257	6.42	.....	1829 Aisquith street.	A. W. Weiner.	Dwelling.	.....	5.	Two-story brick.	Loss $35; recall 6.58 a. m.; defective flue.
Wednesday 5	483	.....	2.18	Frederick ave., near Garrison lane.	F. Romosher.	Slaughter house.	1 Chemical.	.....	One-story frame.	Loss $20; recall 2.55 p. m.; sparks from smoke-stack.
Friday 7	621	10.40	.....	Covington street, near Warren street.	J. E. Bailey.	Paint shop.	12.	6.	One-story frame.	Loss $45; recall 10.55 a. m.; overheated stove.
Saturday 8	524	6.11	.....	426 S. Charles street.	John Hoffman.	Dwelling.	.....	.....	Two-story and garret, brick.	Loss $55; recall 6.35 a. m.; falling of a coal oil lamp; ex-

											tinguishers 2 Engine and 2 Hook and Ladder Cos.
Sunday	9	234	1.43	.....	1717 Jefferson street.	W. W. Smith.	Dwelling.	.....	3.	Three-story brick.	Loss $18.50; recall 2.11 a. m.; defective flue.
Sunday	9	61	.....	5.43	623 S. Charles street.	H. Bahm.	Grocery and liquor store.	2.	6.	Three-story brick.	Loss $519.10; recall 6.30 p. m.; overheated stove.
Sunday	9	259	.....	10.36	1000 Hillman street.	Patrick McGee.	Saloon and dwelling.	.....	5.	Three-story brick.	Loss $90.14; recall 11.02 p. m.; heat from chimney.
Wednesday	12	453	10.37	.....	1430 Warner street.	Eliza Morton.	Dwelling.	8, 13, 14. 2 Chemical.	4, 8.	Two-story brick.	Loss $307; recall 12.10 p. m.; boy playing with matches. Boy was burned to death.
Thursday	13	52	.....	5.03	Welcome alley, bet. Sharp and Hanover.	H. Classen & Son.	Hay, straw and excelsior pack'g estab.	2, 12.	2, 6.	Two-story brick.	Loss $753.59; recall 10.09 p.m.; defective chimney.
Thursday	13	413	.....	5.25	105 W. Fayette street.	F. W. Reizer.	Brush factory.	.....	4.	Three-story brick.	Loss $140; recall 5.46 p. m.; overheated stove; extinguisher 4 Engine Co.
Friday	14	134	.....	2.12	Cor. Union Dock and Chesnut street.	Emerick & Manly.	Cotton warehouse.	.....	1.	Four-story brick.	Loss $5; recall 2.29 p. m.; sparks from wood-sawing establishment adjoining.
Friday	14	523	.....	6.38	421 W. Camden street.	Kuehberth & Son.	Furniture factory.	1, 2, 7, 10, 12	2, 6.	Two-story brick.	Loss $8,643.47; recall 7.51 p. m.; overheated stove.
Saturday	15	37	.....	10.09	1214 Smith alley.	Anna Parker.	Dwelling.	.....	4.	Two-story brick.	Loss $41; recall 10.37 p. m.; candle set fire to clothing hanging on the wall.
Sunday	16	28	.....	7.48	Mine Bank lane.	Scheutzen Park Association.	Stable.	9, 6.	5.	Two-story frame.	Loss $287.60; recall 9.29 p. m; supposed incendiary.
Monday	17	54	.....	4.58	811 Peach alley.	Ed. Reilly.	Dwelling.	.....	6.	Three-story brick.	Loss none; recall 5.12 p. m.: defective flue.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 18	48	7.16	.....	26 Frederick avenue.	J. Whelkner.	Dwelling.	.....	7.	Three-story brick.	Loss $64.75; recall 7.37 a. m.; explosion of a can of coal oil.
Tuesday 18	318	.....	3.24¾	9 Barnet street.	J. W. Graham.	Restaurant and dwelling	4, 7.	1, 2.	Three-story brick.	Loss $235.45; recall 4.01 p. m.; overheated furnace.
Wednesday 19	296	11.41	.....	Homeland, Balto. Co.	Md. Cen. R. R. Co.	R. R. station and telegraph office.	4, 7 Chem.	9.	Two-story frame.	Loss $100; recall 1.43 p. m.; overheated stove. This loss not to be considered.
Wednesday 19	372	.....	1.10¼	1312 Vincent alley.	.....	Unoccupied.	.....	.....	Two-story brick.	Loss $16; recall 1.29 p. m.; boys set fire to rubbish under the stairway.
Wednesday 19	418	.....	2.35	207 W. Lexington st.	J. W. Frizzel.	Notion store.	1.	2.	Three-story brick.	Loss $10; recall 3.10 p. m.; heater pipe becoming disconnected set fire to paper.
Wednesday 19	472	.....	5.54	N. Fulton ave., near Tenant street.	Harlem 'Bus Co.	Stable.	8, 13, 14. 2 Chemical.	2.	One-story frame, 75 by 30 feet.	Loss $4,885.07; recall 8.37 p. m.; supposed from sparks of a passing locomotive.
Thursday 20	61	.....	7.03	41 E. Lee street, in the rear.	Garton & Donhue.	Machine shop.	2.	6.	Three-story brick.	Loss $48.35; recall 7.17 p. m.; heat from boiler.

Thursday	20	426	.....	8.45	1337 W. Baltimore st.	D. Baer & Son.	Dry goods and notion store	.....	.....	Three-story brick.	Loss $875; recall 9.20 p. m.; unknown; extingnishers 8, 10 and 14 Engine and 2 Hook and Ladder Cos.
Saturday	22	363	1.32	.....	793 George street.	John Murray.	Dwelling.	.....	.....	Three-story brick.	Loss $141.47; recall 2.16 a.m.; unknown; extinguishers 7, 8 and 13 Engine Cos.
Saturday	22	41	10.09	.....	104 E. Fayette street. 106 E. Fayette street.	George Child. John R. Hare.	Dining rooms. Jeweller.	1, 2, 4, 6.	1, 2.	Two-story brick. " " "	Loss $1,515.96; recall 11.30 a. m; boy dropped a lighted candle in shavings in the cellar.
Saturday	22	27	10.50	.....	800 N. Broadway.	Dr. Wm. Russell.	Office and dwelling.	.....	5.	Three-story brick.	Loss $10; recall 11.14 a. m.; heater in the basement set fire to the woodwork.
Sunday	23	412	5.20	.....	13 W. Baltimore st.	Reed & Co. Koch & Co.	Toy and not'n Printing office	1.	1, 2.	Four-story brick.	Loss $1,372.78; recall 6.00 a. m.; overheated stove.
Monday	24	273	.....	7.32	E. Hoffman st. ext'd.	F. Dubelins.	Barn and stable.	9. 6 Chemical.	5.	Two-story frame.	Loss $830; recall 9.50 p. m.; unknown.
Tuesday	25	372	.....	5.58½	1331 N. Stricker street	B. F. Ray.	Dwelling.	.....	4.	Three-story brick.	Loss $340.50; recall 6.12 p. m.; gas jet set fire to curtain.
Wednesday	26	8	3.06	.....	Foot of Clemm street.	Coates Brothers.	Stable.	12.	6.	Two-story frame.	Loss $435; recall 4.38 a. m.; unknown.
Wednesday	26	143	7.53	.....	Cor. Central ave. and Fawn street.	S. Strauss.	Malt house.	.....	3.	Seven-story brick.	Loss $5; recall 8.26 a. m.; unknown.
Wednesday	26	383	10.25	.....	1818 McCulloh st., in the rear.	Vito Pipotone.	Cigar factory.	7, 8, 13. 2 Chemical.	4.	Two-story brick.	Loss $2,904.23; recall 11 17 a. m.; explosion of alcohol.
Thursday	27	162	12.59	.....	925 Fell street.	G. Schiaffino & Co.	Grocery store and tenement house.	.....	3.	Three-story brick.	Loss none; recall 1.21 a. m.; supposed incendiary.

Date.	Box.	Hour A. M.	Hour P. M.	Location.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Friday 28	484	.....	2.58	663 Wilkens avenue.	J. C. Lutz.	Dwelling.	1 Chemical.	8.	Two-story brick.	Loss $18.50; recall 3.24 p. m.; children playing with matches.
Friday 28	154	.....	3.40	1432 Block street.	Alonzo Evans.	Dwelling.	.....	3.	Three-story brick.	Loss $20; recall 3.51 p. m.; incendiary.
Friday 28	218	.....	8.14	20 N. High street, in the rear.	J. A. Owens. John Lambright.	Carp'ter shop Paint shop.	.....	1.	One-story brick.	Loss $40; recall 8.35 p. m.
Saturday 29	349	.....	10.10	2113 Oak street.	J. Cronther, Jr.	Dwelling.	3 Chemical.	5.	Three-story brick.	Loss $28; recall 11.02 p. m.; defective flue.

Total Fires and Alarms	406	Loss	$1,265,829.82
Total Silent Fires and Alarms	196	Loss	6,649.00
Total	602	Total	$1,272,478.82

REPORT

— OF THE —

SUPERINTENDENT

Police and Fire Alarm Telegraph.

BALTIMORE, January 2d, 1889.

To the Honorable Board of Fire Commissoners:

GENTLEMEN:

I herewith submit my annual report of improvements, extensions and alterations made in the Electrical Department during the year ending December 31st, 1888.

MONTHLY STATEMENT.

January.—No work was done during the month requiring special mention.

February.—Extended No. 1 alarm, No. 4 box, independent and telephone circuits to No. 6 Truck House, Hanover and Ostend streets, putting up seven forty foot poles, 175 lbs. No. 12 copper wire, cross arms, insulators, brackets, screws, nails, &c. Repaired 11 and 12 box circuits that were broken on Park avenue near Hamiltion street by trees falling over them.

March.—Put up one forty foot pole on Pennsylvania avenue near Cumberland street, in place of old pole rotted off at base. Moved No. 4 alarm circuit at Fayette and Front streets, in way of new building. On the 11th of this month a heavy snow and wind storm commenced, turning to a blizzard that lasted two or three days. Every wire in the department was in trouble during the night and following day. Nothing

could be done in way of repairs until after daylight of the 12th, when the linemen of this department, with such outside help as could be procured, started to repair damage. By 5 P. M., all circuits were in good working order, although some of the work done was only temporary. When it was found impossible to work during the night, Chief Engineer Hennick was notified of condition of wires at once, and he made such arrangements as were best to communicate alarms of fire to the different engine companies. Box 631 was put up at No. 6 Truck, also gongs on independent and telephone circuits. Repaired wires cut by firemen on Charles street near Lombard. Put up pole at Bayview Asylum, blown down by storm.

April.—Re-run all wires at Northwestern Police Station with copper wire. Put all our wires on sixty foot pole of Telephone Co., on Pennsylvania avenue near Dolphin street. Put up thirty-five foot pole corner Chatsworth and Franklin streets, and changed wires and box. Put up one thirty-five foot pole corner Cumberland street and Pennsylvania avenue, and changed wires and box. Changed wires and box to new pole, put up by Brush Electric Light Co. to be used jointly, corner Conway and Eutaw streets. Put up one sixty foot pole in front of Middle Police Station to get our wires away from new building, and changed all wires. Run covered wire on South street, on No. 1 Box Circuit, to protect it against telephone wires; also run covered wire along Frederick street for same purpose. Re-run loop going to St. Sulpice Seminary with copper

wire. Cut out gong in Dr. Pennington's residence. Put gong in Captain Farnan's residence on No. 1 Alarm Circuit. Put up nine thirty-five foot poles, on House of Correction line, in place of old ones blown down ; also re-set fifteen others that were rotted at base. Fixed up wires corner Leadenhall and Ostend streets, torn down by firemen ; also put up new pole in place of one burnt down.

May.—Removed gong from residence of former Batteryman, Thos. F. Byrne, and put same in Assistant Lineman Helling's house. Repaired fire alarm wires on Gilmor street near Riggs avenue, torn down by workmen putting up new building. Put up two thirty-five foot poles on Saratoga street near Gilmor ; six thirty-five foot on Vincent alley between Saratoga and Baltimore streets ; one thirty-five foot corner Mount and Fayette streets ; one fifty, one forty-five and two forty foot on Monroe street between Lombard and Baltimore streets ; two forty-five and three 40 foot on Payson between McHenry and Wilkins avenues ; seven forty foot on Lombard street between Carrollton avenue and Poppleton street ; seven forty foot on Raborg street between Fremont and Greene streets ; one forty foot on Greene street near Baltimore street ; four forty foot on Pennsylvania avenue between Franklin and Biddle streets ; one forty-five and four forty foot on Franklin street between Cathedral and Calvert streets ; one forty foot on Park avenue near Franklin street : one forty foot on Hamilton street near Park avenue ; four forty foot on Plover alley between Hamilton and

Monument streets; one forty-five foot on Centre street near Plover alley; two forty foot on Biddle street between Eutaw street and Richmond market; four forty foot on Richmond street between Park avenue and Richmond market; three forty foot on Pearl street near Franklin street; one forty foot on Mulberry street near Pearl street; one forty foot on Mulberry street and Myrtle avenue; two thirty-five foot on Barre street between Columbia avenue and St. Peter street; four thirty-five foot on Andre street between Fort avenue and Clagett street; one forty foot corner Warren and William streets; one forty foot corner Light and Gittings streets; four forty foot on Barre street between Sharp and Charles streets; three forty-five and one forty foot on King street between Fremont and Greene streets; one fifty, four forty and seven thirty-five foot on Ridgely street between Fremont and Ostend streets; three forty foot on Eutaw street near Fremont street; one forty foot on Fremont street west of Eutaw street; moved one fifty and two thirty-five foot on Ridgely street near Ostend street to straighten line; two forty-five foot on Harrison street between Fayette and Baltimore streets; three forty foot on Marsh market space; one forty-five and one forty foot on Front street between Baltimore and Fayette streets; five forty foot on Concord street between Lombard street and Eastern avenue; one forty foot corner Pratt street and West Falls avenue; two forty and two thirty-five foot on Pratt street between Broadway and Wolfe street; eleven forty and three thirty-five foot on Ann street between Pratt and Lancaster streets; three forty foot on Broadway be-

tween Canton and Eastern avenue; three forty-five and seven forty foot on Wolfe street between Chew and Jefferson steeets; one forty foot at Northeastern Police Station; four forty foot on Madison street between Wolfe street and No. 9 Engine House; one forty and ten thirty-five foot on Preston street between Gay street and Central avenue; one forty foot on Gay street bridge; five thirty-five foot on Aliceanna street and Patterson Park avenue; one fifty and one forty-five foot corner Luzerne and Hudson streets; four forty foot on Hudson street between Chesapeake and Luzerne streets; two forty foot corner Canton avenue and Elliott streets.

June.—Put gong in Capt. Leddon's residence. Put up three thirty-five foot poles on Baltimore street between Red Line Car stables and Calverton road. Put up two forty foot poles on Frederick avenue between Bentalou street and Wilkens avenue, and moved box 48 to new pole. Moved County alarm box from Calverton road and Butchers' lane to Calverton road and Baltimore street. Run one wire from City Hall to Georgetown in the annex, and one wire from City Hall to Frederick road and Baltimore and Potomac Railroad, to connect the County telegraph with fire alarm on account of annexation. Had twenty-seven new break wheels substituted for old ones in County alarm boxes, to correspond with those in use by Baltimore City Fire Department. Put one gong at City Hall, and eighty-four cups additional gravity battery for above line. Put up two forty-five, four forty and twenty-seven thirty-five foot poles on Canton street and Canton ave-

nue between Baltimore and Elliott streets, for new circuits. Run No. 1 alarm, independent, telephone and No. 9 box circuits to No. 14 Engine House. Changed wires to new poles on following streets: King, Lombard, Pearl, Mulberry, Gilmor, Vincent alley, Pennsylvania avenue, Marsh Market Space, Wolfe, Ann and Preston. Changed boxes to new poles corner Biddle and Garden streets, Preston and Caroline, Ann street and Canton avenue, Canton and Elliott streets. Took gong out of residence of Assistant Chief Murphy. Moved gong and run wires temporarily to Sharp street alley, between Clay and Lexington streets, for Salvage Corps, until new building completed. Moved box 413 to corner Liberty and Fayette streets, in way of new building. Re-run wires in Assistant Chief Ellender's house. Put following new boxes in service:

74 on 3 box circuit.
533 on 6 box circuit.
32 on 8 box circuit.
482 on 9 box circuit.
344 on 11 box circuit.
355 on 12 box circuit.
218 on 17 box circuit.
159 on 18 box circuit.

Made following changes in boxes: Moved 32 from No. 7 Engine House to St. Paul and Saratoga; 322 from St. Sulpice Seminary to No. 7 Engine House. Put new box 329 in Seminary. Put up forty-five foot pole Franklin and Calvert streets and changed wires.

Changed wires to new poles along Franklin street. Moved forty foot pole on Park avenue near Franklin street at request of property owners. Put up sixty foot pole on Charles street near Lombard, and straightened sixty foot pole corner Barre and Charles streets. Granted permission to telephone company to put up seventy foot poles on Charles street, reserving the top cross arms for fire alarm wires, and changed all wires to them between German and Barre streets. Changed boxes to new poles Charles and Lombard streets, Charles and Camden streets, Charles and Barre streets, and run gas pipe to the top of the pole to protect our wires. Moved fifty foot pole on Davis street near Lexington, in way of new building. Run copper wire from top of City Hall to Davis street for all circuits. Took line off house tops, commencing corner Lafayette avenue and Fulton avenue to corner Calhoun and Cumberland streets, and run it on new poles erected by fire alarm. Run new copper wire on following circuits: Nos. 3, 6, 8, 9, 11, 12, 17, 18, 20, 15, 16 box circuits, No. 4 alarm independent and telephone circuits.

July.—Changed the battery room from the cellar to new quarters on 4th floor. Had six new stands built two for ten new circuits, also moved two of the old battery stands to same room. Had new sink put in new battery room, with water and waste pipes run from cellar. Had nine holes cut through walls in cellar, to accommodate cables to carry wires to new battery room, and run one hundred wires in cable to that point from fire alarm office, using one-thousand four-

hundred and sixty-five foot of twenty wire cable. Had large cupboard built to store material. Built stand and box through corridor to protect cables. Had sheathing placed around battery room to sustain cables. Also had hall partitioned so it could be used as store-room. Painted floors and fixtures. Put telephone in battery room connected with telegraph office, 1st floor. Put Telephone and gongs in No. 14 Engine House in service. Run No. 2 alarm to Ass't Chief Murphy's residence, 1061 Argyle avenue and put in gong. Run additional new copper wire on following circuits: 15, 16, 13, 14, 12, 11, 10, 6, 4, 5, 3, also 2, 3 and 4 alarm and telephone.

August.—Run two twenty wire cables from top of City Hall to lightning arrestor in cellar, through south-east ventilator, to accommodate new circuits and ten of the old. Moved lightning arrestor to more convenient place, to make room for new circuits. Run all wires from arrestor to switch board, in cables, and cleared cellar of all old wires. Run ten new copper wire circuits all over City, to relieve original circuits from over pressure of boxes. Put up eighteen thirty-five foot poles on Baltimore street between Patterson Park avenue and Canton street; three forty-five and two forty foot on Pratt street between Castle street and Patterson Park avenue; thirteen thirty-five and one forty foot on Bayard street between Washington avenue and Ridgely street; two forty-five and four forty foot on Eastern avenue east of Highlandtown; one fifty-seven foot on Gay street near Saratoga street. Put up

new Box 481 at No. 14 Engine House; also took old box from Charles street avenue and Second street, "Annex" and placed it at Calverton road and Baltimore street, in place of Viaduct Manufacturing Company's box. Had Gamewell locks put on Viaduct boxes in Annex, to obviate trouble of two set of keys. Put up five thirty-five foot poles on Eastern avenue near Canton street, in place of old ones; two forty foot on Cross street between Covington and Jackson streets; four forty foot poles on Jackson street between Clement and Cross streets for new circuits. Put up three hundred and sixty cells of gravity battery for ten new circuits; eighty-four cells for county line and ten extra cells for spare battery. Straightened up a large number of poles; trimmed trees; repaved around new poles in different sections of the City. Granted permission to Telephone Co. to rebuild our line along Fayette street between Gay and Chestnut streets with seventy foot poles, reserving top cross arms for use of City wires.

September.—Changed No. 3, 4, 6, 19 and 20 box circuits to new poles. Changed box 185 to northeast corner Hudson and Canton streets to new poles. Changed box 519 to new pole northeast corner Ridgely and Ostend streets. Straightened and guyed poles. Trimmed trees on county line. Changed box 434 to new pole. Changed loop on No. 2 alarm, running to Salvage Corps on Liberty street between German and Fayette streets, to top of Western Union poles, to get away from electric light wires. Changed wires at Monument and Forrest streets, to clear electric light wires.

Changed wires running to box 31, to get away from electric light wires. Put up seventy-six foot pole corner North and Baltimore streets, in place of old one rotted at base and changed wires. Moved pole corner Orleans and Aisquith streets, on account of widening of street. Cut ten new circuits in cable, tested and numbered them. Put up fifteen circuit lightning arrestors in cellar for new circuits.

October.—Put new upright on pole, McMechen street between Park avenue and John street and changed wires. Changed wires Centre street and Hargrove alley. Moved box 413 back to Salvage Corps building. Changed wires in No. 10 engine house, in way of carpenters. Put door on 71 box, broken by firemen. Re-set pole at Woodberry near Druid Mills.

November —Run independent and telephone circuits into lineman's house and connected up instruments. Took large gong out of No. 13 engine house for repairs, put in spare gong. Had gong repaired and replaced. Put box 29 in Weissner's Brewery, Belair avenue, they paying for box. Changed wires Lexington and Paca streets to clear electric light wires. Put up pole on Bay View line, washed down by storm. Took gong from Capt. Dunn's house and placed it in residence of Capt. Cassidy. Put gong in residence of Supt. Dunn, on No. 3 alarm circuit.

December.—Nothing but ordinary repair work done this month.

CONDITION OF LINES.

The detailed statement of work done each month explains the many and important improvements made in this department during the year 1888. To increase its efficiency and reliability, more than the usual number of new poles were substituted for old ones, many of which were put up by companies who have been granted permission to use our route at certain points, they paying the larger share of expense, the City reserving the choice of position for its wires. All of the original circuits have been renewed with copper wire and a very decided improvement in the telegraph service has resulted.

EXTENSION OF LINES.

Considerable increase in the number of miles of wire has been made during the year by the running of ten additional circuits, extension of lines to No. 6 Truck and No. 14 Engine House, to new fire alarm boxes and the acquired annex telegraph. This increase will approximate one hundred and fifty miles of wire, several hundred poles, twenty-nine county alarm boxes, twelve City alarm boxes, &c.

RENEWAL OF CIRCUITS.

The additional appropriation of sixty-five hundred dollars for the completion of the original circuits with copper wire, was adequate for the purpose, and we now have all copper wire circuits. The marked improvement in the working of the Department, since the removal of the old wire and the introduction of the im-

proved Gardner Automatic Repeaters, made by the Gamewell Fire Alarm Company, that are doing excellent work, fully prove the necessity for the change, and shows that good, reliable machinery is a matter of economy.

KEYLESS DOORS FOR ALARM BOXES.

These improved doors have now been tested in this City for the past fifteen months, and there can be but one opinion as to their value. No calculation can be made as to the amount of property saved by the prompt sounding of alarms. Any improvement that tends to save time in the beginning of fire is most valuable. The advantage of these doors is greatest in the mercantile districts, where business houses are closed after dark and on Sundays and holidays, and much trouble is often experienced in securing a key promptly. With the keyless door any citizen discovering a fire can send in the alarm without delay. Some fears were entertained that false alarms would result upon the introduction of this improvement, but the fact that they have been in service the time stated without having a single occurrence of that kind, virtually settles that question. I therefore recommend that as many as possible be added each year, until at least all the business sections are provided with them. Attention is called to the following important boxes that should have these doors: 14, 124, 125, 126, 128, 131, 132, 134, 212, 218, 241, 242, 248, 312, 314, 316, 317, 319, 321, 322, 365, 416, 417, 419, 42, 423, 425, 43, 431, 436, 514, 52, 523, 61.

TEN ADDITIONAL CIRCUITS.

As recommended in my report of last year, the Mayor and City Council appropriated the sum of eight thousand dollars for the purpose of adding ten new circuits, making thirty box circuits in all. The object of this increase is to relieve the circuits as originally constructed, and that have become crowded beyond the safety line with alarm boxes, so that no two, protecting any particular locality, shall be on the same wire. Upon several occasions, alarms of fire have been turned in from two or more boxes on same wire almost simultaneously, causing such confusion of signals as to make it altogether guesswork with the operator on duty. The new system will place every other box on a different circuit, thereby guaranteeing its being received correctly at the office, and prompt transmission to the engine companies.

The new circuits have been run as follows, and will be numbered from 21 to 30 inclusive.

CIRCUIT XXI.

Beginning at City Hall to South street, to German, to Charles, to Barre, to Sharp, to Camden, to box 526; thence back to Sharp, to Montgomery, to Leadenhall, to Cross, to Light, to Fort avenue, to Andre, to Claggett; back to Fort avenue, to Hull, taking in box 8; back to Jackson, to Clement, to Hughes, to William, to Montgomery, to Light, to Lee, to Charles, to German, to South, to place of beginning.

CIRCUIT XXII.

City Hall to South street, to German, to Paca, to Pratt, to Eutaw, to Barre, to Fremont, to Warner, to Ostend, to box 516; back, to West, to Eutaw, to Cross, to Sharp, along Cross to Charles, to Ostend, to Charles, to Wells, thence along Baltimore & Ohio Railroad, to Light, connecting with loop to box 72, thence to Light, to Heath, back to Light, to Lee, to Charles, to Pratt, to Hanover, to place of beginning.

CIRCUIT XXIII.

City Hall to Davis street, to Saratoga, to St. Paul, to Saratoga, to Charles, to Barnet, to Clay, to Howard, to Lexington, to Paca, to Fayette, to Green, to Raborg, to Fremont, to Pratt, to King, to Lemmon alley, to Callender alley, to Lombard street, to Poppleton, to Columbia avenue, to Wooster street, to Bayard, to Ridgely, to Ostend, to Fremont, to Columbia avenue, to Paca, to Lombard, to German, to South, to place of beginning.

CIRCUIT XXIV.

City Hall to Davis street, to Franklin, to Pearl, to Mulberry, to Schroeder, to Lexington, back to Mulberry, to Gilmor, to Saratoga, to Vincent alley, to Baltimore street, to Payson, back to Baltimore, to Monroe, to McHenry, to Mount, to box 461, along McHenry to Stricker, to Lemmon alley, to Carey street, back to Lombard, to Callender alley, to Lemmon alley, to

Scott street, to Bartlett's foundry, back to King street, to Paca, to German, to South, to Baltimore, to City Hall.

CIRCUIT XXV.

City Hall to Davis street, to Franklin, to Pennsylvania avenue, to Greenwillow street, to box 365, to Pennsylvania avenue, to McMechin street, to box 326, to Cumberland, to Gilmor, to Calhoun, to Stricker, to Presstman, to Gilmor, back to Stricker, to Patterson avenue, to Gilmor street, to Lafayette avenue, to Fulton street, to Franklin, to Mount, to Edmundson avenue, back to Franklin, to Gilmor, to Mulberry, to Pearl, to Saratoga, to Greene, to German, to South, to City Hall.

CIRCUIT XXVI.

City Hall to Davis street, to Franklin, to Calvert, to Park, to Hamilton, to Plover alley, to Centre, to Park, back to Plover alley, to Richmond, to Park, to Biddle, to Morris alley, to McMechin street, to Madison avenue, to Presstman, to Druid Hill avenue, to Pennsylvania avenue, to Mosher, to Division, back to Pennsylvania avenue, to Hoffman street, to Myrtle avenue, to Union street, to No. 4 Truck House, to Biddle, back to Pennsylvania avenue, to Franklin street, to Calvert, to Davis, to Bath, to Holliday, back to Davis street, thence to City Hall.

CIRCUIT XXVII.

City Hall to Gay street, to Ensor, to Forrest, to Front, to Exeter, back to Forrest, to Madison, to Read,

to Greenmount avenue, to Biddle, to Valley, to box 259, back to Greenmount avenue, to Preston street, to North; thence along Preston street, to Park avenue, back to Morton alley, to Read street, to Hargrove alley, to Eager street, back to Hargrove alley, to Madison, to Charles street, to box 319, back to Hargrove alley, to Centre street, to Calvert, to Davis, to City Hall.

CIRCUIT XXVIII.

City Hall to Gay street, to Ensor, to Aisquith, to Gay, to Madison, to Caroline, to Monument, to box 264, back to Madison, to No. 9 Engine House, along Madison to Wolfe, to Biddle, to Preston, to Gay, to Oliver, back to Gay street, to Preston, to Harford avenue, to No. 5 Truck House, back to Preston street, to Central avenue, to Chew street, to Aisquith, back to Central avenue; thence to place of beginning.

CIRCUIT XXIX.

City Hall to Fayette street, to Harrison, to Lombard, to Concord, to Eastern avenue, to Albemarle street, to Stiles, to box 146, back to Eastern avenue, to Central avenue, to Aliceanna, to box 147, back to Eastern avenue, to Broadway, to Canton avenue, to box 159, back to Eastern avenue, to Chester street, to Canton avenue, to box 171, back to Eastern avenue, to Patterson Park avenue, to Pratt, to Castle. to box 174; thence along Pratt, to Broadway, to Baltimore, to box 165, back to Pratt, to Central avenue; thence to Lombard street, to Exeter, to Fayette, to Front, back to Fayette, to City Hall.

CIRCUIT XXX.

City Hall to Fayette street, to Harrison, to Lombard, to Concord, to Eastern avenue, to Bond, to Lancaster, to box 157; along Bond to Thames, to box 158, along Thames to Ann, to Eastern avenue, connecting to one end of 19 circuit, that will be divided; thence along Eastern avenue to Patterson Park avenue, to Alice-anna, to Burke, along Burke to Lancaster, to Luzerne, to Harris' creek, to box 184, back to Hudson, to Chesapeake, to Boston, to box 18, back to Elliott street to Canton street, to Hudson, to box 185; thence along Canton street to Eastern avenue, taking in boxes 186 and 19, Bay View Asylum, back to Canton street, to Baltimore; to Patterson Park avenue, to Lombard, to Pratt, to Central avenue, to Lombard, to Exeter, to Fayette, to City Hall.

Changes were made in the route of some of the original circuits, but they are so few and unimportant they hardly require special mention.

CHANGES IN CENTRAL OFFICE.

The addition to the machinery in this office for the accommodation of the new circuits and the annex telegraph, rendered the enlargement of the office a necessity. After consultation with his Honor the Mayor, and Inspector of Buildings, it was decided to remove the partition wall, between the Telegraph and the Superintendent's private office, making an archway, which would permit the use of both rooms. The cost of tearing away and of arch was paid by the Inspector of

Buildings, while the addition to counter, marble slabs, &c., were defrayed out of appropriation for Fire Alarm Telegraph.

REMOVAL OF BATTERY DEPARTMENT.

The crowded condition of the old battery room in the cellar of City Hall, and the lack of room to accommodate the extra battery for the new circuits and the Annex telegraph, compelled the seeking of other quarters. The Superintendent of City Hall placed at the disposal of this Department two large rooms on the fourth floor, that are splendidly adapted for the purpose. These rooms have been fitted up with new battery stands, waste pipes, water pipes, sink, gas fixtures, &c.

All wires have been run from the telegraph office in cables, through cellar to northeast ventilator and thence to battery room. The work is splendidly done and is very creditable to Batteryman Kain, who worked hard and faithfully. An examination of this branch of the service shows a marked improvement and is now a credit to the department. The expense of this change, although considerable, was paid from the appropriafor this Department, without any special provision being made therefor.

CABLING OF WIRES IN VENTILATOR.

Attention is again called to the bad condition of the wires running from roof of City Hall, through ventilator to cellar and thence to Fire Alarm Office. These wires have been in service since the introduction of the new

system of fire telegragh in 1877; and the insulation, imperfect at that time, is entirely worthless now. We have managed to provide for twenty of the old wires and the ten new circuits out of the appropriation for 1888, leaving about eighty wires to be renewed. The new wires are in cables of twenty conductors each, which should be adopted for the other circuits.

In damp and rainy weather the escape of current is equivalent to a cross of the wires.

The amount necessary to complete this work will not be large, and will be asked for in the estimate for 1889.

THE ANNEX TELEGRAPH.

The telegraph system acquired by the City through the annexation of the northern and western districts of the Belt, was of that crude and unreliable character usually found in small cities and country towns, where a single wire is used for the alarm boxes, engine house, gongs, &c., so that all blows from trouble on the line, those made in testing boxes, and those made in testing wires, are received by each and every company on the circuit, frequently causing mistakes and giving the companies long and tedious runs without fire.

The line has been improved as far as possible by the running of a wire from the City Hall to Stiefel's Brewery on Frederick road, and another from the same point to Georgetown on the Belair road, making the circuit metallic.

The numbers of the boxes have also been so changed as to be a continuation of those of the fire alarm telegraph in the several directions.

The alarm boxes are mostly of the small sized Gamewell patent, with several added of the Viaduct Manufacturing Company of Baltimore.

The numbers of these boxes are nearly all over twelve and many have as high as seventeen blows, while the breakwheels are only half the size of those in the Standard Gamewell box, used by the City Fire Alarm Telegraph; this brings the teeth on the breakwheels so close that when it revolves it is very uncertain whether it will strike the number correctly or not. The first thing to be considered in fire service is reliability, and as this line is positively unsafe and unreliable for the purpose of protecting the lives and property of our citizens, I must earnestly recommend that prompt action be taken for the extension of our regular alarm box, independent and telephone circuits into the Annex, and the substitution of the Standard box for those now in use. This would make it a part and parcel of our telegraph system with all the advantages of the improved machinery of the Department. The cost of this extension and improvement will be found in estimate of expenses for 1889.

ANOTHER LINEMAN NEEDED.

The lines of this department extending to all sections of the 21st and 22d wards, adding miles of wire cover-

ing a large area of ground, make it impossible for the two linemen to properly guard the wires of the police and fire alarm telegraph, including those recently added.

Hardly a day passes that both are not kept busy on our original circuits, and when trouble calls them to the annex, important work is frequently delayed.

Should they be in the annex, and their services are required elsewhere, it is almost impossible to reach them for hours, owing to imperfect telephone communication. This seriously interferes with prompt repairs which become dangerous when there is much trouble. All commercial companies in this city employ more linemen than the city, although our repair work is considerably greater.

In my judgment it is important that an additional lineman be given this department, whose services shall be devoted mainly to the annex.

ENLARGEMENT OF MACHINERY AND SWITCHBOARD.

The addition of ten new circuits compelled the introduction of the new forty-pen register, which has been substituted for the old five-pen registers that have been in use since 1877.

This new piece of machinery is of the most complete character, recording on one wide strip of paper each and every blow made on either of the circuits, whether from alarms of fire, signals from the fire ground, test-

ing of circuits, trouble on lines or other causes. It is a most valuable addition, and well tended to increase the reliability of the department. The enlargement of the switchboard was also compulsory to accommodate the increase of wires, as were also the adding of two sets of relays, ten new gongs (one for each circuit), with switches, &c.

The overcrowded condition of the old circuits made it an imperative necessity to contract for the new machinery and the enlargement of switchboard at once (as several months would be required to finish the work), leaving the improvements already made inoperative until their completion. Permission was, therefore, granted in August to contract with the Gamewell Fire Alarm Company, of New York, for the above work, to be completed about January 1st, 1889. I place in the estimate for 1889 the amount of indebtedness to that company.

LACK OF PROTECTION IN THE ANNEX.

Portions of the new territory annexed to the City is as thickly populated as the centre of the City, while protection afforded by telegraphic communication with the fire department is almost unknown. Fire alarm boxes are from a half to a mile apart, in many places the distance is even greater. While Woodberry, with several thousand inhabitants, has but one alarm box. Such scarcity of boxes causes serious loss of time in the incipiency of fire, allowing it to get so much head-

way that it becomes almost an impossibility to prevent the destruction of the entire building.

The number of boxes necessary to cover this section of the City would be numerous. I therefore suggest that at least twenty be placed in service each year until the ground is covered.

NEW ALARM BOXES.

The following boxes have been put up as per resolution of Councils :

Park and Centre streets.
St. Paul and Saratoga streets.
Richmond and Park streets.
Front and Baltimore streets.
Broadway and Canton avenue.
Weissner's Brewery (private).
No. 14 Engine House.
Wilkens avenue and Payson street.
No. 6 Truck House.
Clagett and Andre streets.
Charles street and Fort avenue.

OUTSIDE LINES.

The lines connecting the Water Works, Marine Hospital, Bayview and House of Correction with the several departments in the City, are in very good condition and will require only a small appropriation each for repairs and maintenance during the year.

MATERIAL ON HAND IN BATTERY DEPARTMENT.

100 new zincs.
150 coppers.
100 Leclanche jars.
40 gravity jars.
1 large copper scoop.
1 small copper scoop.
1 copper plate.
125 old carbons for Leclanche battery.
250 old gondas.
1 large scale.
1 small scale.

Lot of old copper, zinc and other stuff which can be sold as old material.

MATERIAL NECESSARY FOR 1889, "BATTERY DEPARTMENT."

45 barrels blue stone.
3600 3 lb. zincs, or 2800 4 lb. zincs.
1500 new coppers.
100 zincs and 100 carbons for Leclanche battery.
150 packages of sal ammoniac.
100 gondas for Leclanche battery.
100 rubber bands.
12 pieces sponge.
2 battery brushes.
1 box soap.
60 gallons monarch battery oil.
5 gallons hard oil.
5 pounds black paint.
5 pounds stain.

MATERIAL IN LINEMAN'S DEPARTMENT.

38 coils No. 12 copper wire.
350 feet Grimshaw wire.
2 pounds copper wire (office).
50 pounds old iron wire.
75 two-wire cross-arms.
10 four-wire cross-arms.
10 T arms.
6 good shovels.
6 old shovels worn out.
5 digging irons.
2 reels.
2 T irons.
7 pike poles.
2 cant hooks.
1 small pole wagon.
2 saws.
2 Chisels.
2 monkey wrenches.
50 pounds nails.
6 drawing knives.
6 old drawing knives (worn out).
1 large vise.
1 grinding stone.
2 pair plyers.
2 straps and vises.
1 single vise.
3 screw drivers.
25 rubber hooks.
12 caps.

300 glass insulators.
5 backboards.
50 pounds nails.
1 soldering pot.
10 pounds solder.
2 hand axes.
1 chop axe.
100 feet rope.

And lot of old material hardly worth mentioning.

MATERIAL NECESSARY FOR LINEMAN'S DEPARTMENT.

150 telegraph poles, different sizes.
350 four-wire cross arms.
25 T arms.
150 feet half inch gas pipe.
25 backboards.
500 feet small rope.
1500 feet kerite wire.
100 brackets.
600 glass insulators.
2 axes.
3 hand axes.
800 bolts and washers.
2 gross screws.
300 staples for box pipe.
8 pike poles.
2 saws.
½ dozen files.
6 drawing knives.
½ dozen bitts.

2 large chisels.
50 rubber hooks.
1 dozen bottles watch oil.
8 shovels.
6 scoops.
50 caps for box pipes.
2 straps and vises.
2 pair plyers.
150 pounds nails.
1 brace.
50 pounds solder.
25 pounds office wire.
1 dozen springs for gongs.
2 pounds double pointed tacks.
5 rolls kerite tape.

And two miles and a-half KK wire to be used to protect our wires from those of the telephone companies in the neighborhood of the wharves.

MATERIAL FOR CENTRAL STATION.

2 office diaries.
3000 sheets department paper.
3000 department envelopes.
250 pounds register paper.
emory paper.

ESTIMATE OF EXPENSES FOR 1889.

Salaries.	Per Annum.
1 Superintendent	$ 2,000 00
4 operators, at $1,200 each	4,800 00
1 lineman	1,200 00
1 assistant lineman	1,000 00
1 batteryman	1,200 00
Total salaries	$10,200 00
Material and general repairs	$ 2,600 00
Batteries, &c	3,200 00
Wear and tear of line	800 00
House of Correction line	200 00
Water Board line	200 00
Bayview line	100 00
Marine Hospital line	100 00
Electrical apparatus (City Hall)	100 00
Extension of circuits into Annex	7,500 00
27 Gamewell standard alarm boxes for Annex	3,375 00
Cabling wires in ventilator	500 00
Amount due Gamewell Fire Alarm Company.	4,500 00
	$33,375 00

The following are the employees of this office:

Operators—H. P. Lucas, F. L. McAleese, Alexander Crummer, J. F. O'Mailey.

Substitute Operator—John J. McCoy.

Lineman—John M. Nugent.

Assistant Lineman—Charles J. Hellings.

Batteryman—Robert Kain.

Thanks are returned to the members of the Police and Fire Department for kind assistance rendered, and to the employees of this Department for faithful performance of duty.

Respectfully submitted,

CHAS. J. McALEESE,

Superintendent Police and Fire-alarm Telegraph.

ANNUAL REPORT

—OF THE—

BOARD OF VISITORS

—OF THE—

JAIL OF BALTIMORE CITY,

— TO THE —

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1888.

OFFICERS

—OF THE—

BALTIMORE CITY JAIL,

1889.

BOARD OF VISITORS:

JOHN RICHARDSON.
CHARLES D. GAITHER.
JOHN W. KEENAN.
HIRAM G. DUDLEY.
A. C. N. MATTHEWS.
AUGUST BERKEMEIER.
HON. F. C. LATROBE, *Ex-Officio.*

President of the Board:

JOHN RICHARDSON.

Secretary to the Board:

CHARLES D. GAITHER.

Warden, - - - - - - JOHN WATERS.

Committees:

FINANCE:

MATTHEWS.
GAITHER.

REPAIRS:

BERKEMEIER.
KEENAN.

DISCIPLINE:

RICHARDSON.
GAITHER.
BERKEMEIER.

SUPPLIES:

KEENAN.
DUDLEY.

SANITARY:

DUDLEY.
MATTHEWS.

REPORT.

BALTIMORE, January 7th, 1889.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

The Visitors of the Jail of Baltimore City respectfully submit the following report of the operations of the Institution entrusted to their management during the year ending December 31st, 1888.

The report of the Warden and annexed exhibits embrace a summary of receipts and disbursements, a statement of the number of prisoners committed to the Institution during the year, specifying the offences with which they were charged, and the manner in which they were disposed of.

We especially call your attention to that part of the Warden's report that refers to the large amount of repairs and improvements done during the past year, which was chiefly done by prison labor.

There was expended by the Board during the year $53,909.34, leaving a balance of the appropriation still in the hands of the Comptroller of $6,090.66. Total appropriation made $60,000.

The estimates for 1889 have been carefully considered, and we ask your Honorable Body for the sum of $55,000 on which to conduct the Institution.

This estimate we consider to be extremely low, when we take into consideration the large increase of population and territory to Baltimore by the annexation of the Belt, and the very low prices at which supplies were purchased during the past year.

Dr. W. W. White's report shows that during the past year the Institution has been free from any epidemic and that the sanitary arrangements are excellent.

The Board take pleasure again in expressing their commendation of the services rendered by Mr. John Waters, Warden, under whose superintendence, together with his excellent corps of Deputies, the affairs of the prison have been most ably conducted, and to his most efficient services the good condition of the Institution is largely due.

Respectfully submitted,

JOHN RICHARDSON,
CHAS. D. GAITHER,
HIRAM G. DUDLEY,
J. W. KEENAN,
AUGUST BERKEMEIER,
A. C. N. MATTHEWS,
Board of Visitors.

Report of the Warden.

REPORT.

BALTIMORE, January 2d, 1889.

To the Honorable the Board of Visitors
of the Baltimore City Jail.

GENTLEMEN:

I have the honor to submit herewith my annual report of the operation of the Baltimore City Jail for the fiscal year ending December 31st, 1888.

The total number of prisoners committed for drunkenness and minor offences was 7,731; for trial, 2,346; for House of Correction, 394; for Industrial School for Colored Girls, 2; for House of Reformation for Colored Boys, 44; making the total commitments for the year 10,517.

The daily average of prisoners for the year was 471.

The earnings of the Jail for the year 1888 were $2,094.01, an increase of $56.67 over the year 1887.

Of the $2,094.01, only $336.86 was for prison labor; the remainder $1,757.15, was for United States docket.

In this connection, I would say that while the earnings of the Jail have been comparatively small, the

prison labor has been turned to the benefit of the City in various improvements to the buildings and grounds.

The appropriation of the Mayor and City Council for the maintenance of the Jail for the fiscal year 1888, was $60,000. Of this was expended as follows:

Officers' salaries, Physician, Gardener and Baker, including salaries for the month of December, 1888	$26,983	45
Subsistence of prisoners	11,757	21
Subsistence of Warden's family, &c	2,055	87
Fuel and light	7,374	87
Expense account	2,266	12
Sanitary department	1,559	69
Clothing for prisoners, &c	1,205	52
Hospital account	706	61
	$53,909	34
Leaving balance of appropriation still in the hands of the Comptroller	6,090	66
Total appropriation	$60,000	00

PHYSICIAN'S REPORT.

The Physician, Dr. Walter W. White, reports the sanitary condition of the prison for the past year to have been excellent, and free from any infectious or contagious diseases.

Three thousand six hundred and twenty-eight patients were treated during the year, and during that

period six deaths (including one suicide) occurred. The names of those dying are as follows:

January 13th—Jacob Hasier (colored).

March 5th—Robert Carnan.

March 13th—James Hoxen (colored).

June 26th—Parker Wills.

July 11th—Alonzo Davis (colored).

September 24th—Francis Trainor, suicide.

For further particulars regarding the above cases I would respectfully refer you to the Physician's detailed report attached herewith.

Referring to the former portion of my report, in which I give a detailed list of prisoners committed to sundry institutions, I would say that the authority delegated for such commitments is sanctioned by an Act of Legislature, passed at the session of 1885, and entitled "An Act to empower the Board of Visitors to the Baltimore City Jail to remove to other institutions in which the City of Baltimore has an interest or extends aid, persons committed to said Jail who have need of medical attention."

In the following specified list I beg to submit for your consideration the following estimates for the fiscal year now entered upon:

Say—

Salaries of officers	$27,000 00
Prisoners' subsistence	12,000 00
Private subsistence of Warden's family	2,000 00
Light and fuel	7,500 00
Incidental expense account	2,000 00
Sanitary department	2,000 00
Clothing, dry goods, &c.	1,500 00
Hospital stores	1,000 00
	$55,000 00

The contractor for the carpet shop failed on April 16th, 1888, and settlement was made to that date. It has not been possible to enter into a new contract on account of the short sentence of prisoners.

I beg leave to call attention to a review of work done in the institution during the year ending December 31st, 1888, under my immediate supervision and almost entirely by prison labor.

During the first part of the year past an appropriation of $6,000 was made for the purpose of placing a new roof on the Jail building, and also for new windows for same building; this appropriation was made for the above purposes, to be expended under the supervision of the Inspector of Public Buildings, and I have the honor to report that the work has been satisfactorily performed.

A new pavement has been laid around the Jail property, outside of the walls, the material for same and

a portion of the labor was furnished by the Inspector of Public Buildings.

All the rain spouting on the building has been repaired, and chimney caps put on front offices and Jail building.

New tin roofs have been placed on the towers and hospital, and new heating apparatus placed in the latter building.

The green and rose houses have both been overhauled and new steam heating apparatus placed therein.

A new railing has been erected on all the tiers and stairways of the annex, to prevent accidents.

The entire heating apparatus in the Jail has been thorougly overhauled.

The walls on the sections have been scraped and painted.

All the iron work has been repainted.

The chapel has been painted and kalsomined, the pulpit cut down, and the entire chapel has been overhauled and renovated.

A new hot water heater has been placed in the Jail kitchen, with a new water supply attached thereto.

The electric bells have been repaired with new wires throughout the building.

New iron gratings have been placed overhead in the hospital to prevent any escapes.

The interior and exterior of the Jail, with the exception of the main hall, have been painted.

All the out buildings in both the back and front yards have been repaired and painted.

All the tin ware and pipe work for heating, water and gas, has been done in the prison.

All the work above enumerated, except that under the direction of the Inspector of Public Buildings, has been done by prison labor.

Quite a number of minor repairs are necessary to be done, which need not be specified in my report, as they will develop from time to time.

Accompanying this you have statements:

Exhibit A, showing the monthly average of prisoners during the year, and the daily average for same period.

Exhibit B, showing the number of prisoners committed for various causes.

Exhibit C, showing the number of prisoners and how discharged.

Exhibit D, showing the receipts and expenditures for the year.

The report of the attending Physician is herewith attached.

All of which is respectfully submitted.

JOHN WATERS, *Warden.*

TABLES.

EXHIBIT A.

Showing the monthly or daily average of prisoners from January 1st to December 31st, 1888.

1888.

January	545
February	490
March	506
April	522
May	408
June	401
July	427
August	421
September	435
October	430
November	485
December	583
	5,653

Average, 1888	471
Daily average for 1887	452
Daily average for 1886	$453\frac{1}{12}$
Daily average for 1885	$478\frac{1}{3}$
Daily average for 1884	$458\frac{5}{12}$
Daily average for 1883	$381\frac{1}{2}$
Daily average for 1882	$363\frac{7}{12}$

EXHIBIT B.

Showing the number of Prisoners committed for various causes during the year ending December 31st, 1888.

Crimes.	WHITE.			COLORED.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Peace and drunkenness	4,790	540	5,330	1,708	693	2,401	7,731
Larceny	589	54	643	471	146	617	1,260
Assault and battery	403	13	416	329	34	363	779
Assault, intent to kill	65	1	66	57	6	63	129
False pretenses	74	2	76	17	3	20	96
Burglaries	57	.....	57	28	2	30	87
Embezzling	32	.....	32	8	3	11	43
Forgery	9	.....	9	.....	.....	.....	9
Writing and selling policies	12	1	13	19	.....	19	32
Conspiracy, etc., to do fraud at elections	18	.....	18	39	.....	39	57
Violating pension laws	4	.....	4	2	.....	2	6
Violating internal revenue laws	17	.....	17	8	.....	8	25
Selling liquor on Sunday, &c	14	.....	14	.....	.....	.....	14
Deserting from ship-board	9	.....	9	.....	.....	.....	9
Perjury	5	.....	5	10	.....	10	15

Bigany	5		5				5
Common thief, &c	3		3	2		2	5
Keeping gaming house	3		3	10		10	13
Witnesses, State and United States	16		16	7		7	23
Mutiny	2		2				2
Insubordination	2		2				2
Receiving stolen goods	4		4	3	2	5	9
Rape and attempt	7		7	8		8	15
Cruel treatment, &c	4		4	2		2	6
Illegitimacy	2		2	1		1	3
Passing counterfeit money	8		8	5	2	7	15
Infanticide	2		2				2
Keeping opium joint	4		4				4
Smuggling	6		6	2		2	8
Bastardy	2		2				2
Selling goods without license	36	1	37	2		2	39
Murder	14		14	13		13	27
Suspicious characters	4		4	4		4	8
Keeping bawdy house		2	2		4	4	6
Violating postal laws	8		8	2		2	10
Contempt of Court, &c	4		4	4		4	8
Sodomy	2		2				2
Arson	3	3	6				6
Abortion	4	1	5				5
							10,517

EXHIBIT C.

Showing the number of prisoners committed and discharged and how discharged for the year ending December 31st, 1888.

Total number of prisoners committed			10,517
Sent to Maryland Pententiary:			
White men	62		
" women	1		
		63	
Colored men	61		
" women	13		
		74	
Sent to Bay View Asylum:			
White men	14		
" women	5		
		19	
Colored men	3		
" women	7		
		10	
Pardoned by Governor of Maryland:			
White men		15	
Sent to Spring Grove Asylum:			
White men		3	
Sent to Industrial School for Colored Girls		2	
Amounts carried forward		186	10,517

EXHIBIT C—Concluded.

Amounts brought forward.....	186	10,517
Sent to Maryland House of Correction :		
White men.....	238	
" women....	29	
	— 267	
Colored men.....	106	
" women.....	21	
	— 127	
Sent to House of Reformation for Colored Boys.....	44	
Died in Jail :		
White men.....	3	
Colored "	3	
Discharged by courts, magistrates, expiration of sentence and otherwise.	9,280	
Remaining in Jail December, 31, 1888.	607	
	—	10,517

EXHIBIT D.

DR. *Being a Summary of Receipts and Expendi*

1888.			
Dec. 31.	To officers' salaries, physician, gardener and baker, including Dec. 31, 1888	$26,983	45
	To subsistence of Prisoners	11,757	21
	To subsistence of Warden's family.	2,055	87
	To fuel and lights	7,374	87
	To expense account	2,266	12
	To sanitary account	1,559	69
	To clothing for prisoners, &c	1,205	52
	To hospital account	706	61
	To amount paid Comptroller, derived from various sources	2,094	01
	To Balance of appropriation of 1888, in hands of Comptroller	6,090	66
		$62,094	01

EXHIBIT D.

tures for the year ending December 31, 1888. Cr.

1888.			
Dec. 31.	By United States docket.....	$ 1,757	15
	By labor account.....	336	86
	By Mayor and City Council.....	60,000	00
		$62,094	01

Physician's Report.

REPORT.

BALTIMORE, January 1st, 1889.

To the Board of Visitors of the
Baltimore City Jail:

GENTLEMEN:

I herewith submit my report of the number and character of diseases treated in the Baltimore City Jail for the year ending December 31st, 1888.

The sanitary condition of the institution throughout the year has been all that could be desired, unfailing attention having been paid to cleanliness, ventilation, and the use of disinfectants. All possible care has been taken by the Warden and his able corps of assistants, to maintain the health and comfort of the prisoners.

There were admitted during the past year 10,517 prisoners, of whom 3,628 were treated.

You will find in the tabular statement herewith appended, the character of the diseases treated, &c.

There were six deaths, including one case of suicide, as follows:

Jacob Hozier, (colored,) January 13th, from intemperance ; one day sick. In Jail almost constantly during past ten years.

Robert Carnan, (white,) March 5th ; from intemperance ; one day under treatment.

James Hoxen, (colored,) March 13th ; nervous exhaustion from intemperance.

Parker Wills, (white,) June 26th ; mania potu; died in convulsions ; six days sick.

Alonzo Davis, (colored,) July 11th ; died a few hours after entering the Jail. He was a constant inmate of the institution, and while there served his time in bed under medical treatment ; intemperance.

Francis Trainor, (white,) September 24th ; suicide.

I have no suggestions to make that can add in any way to the sanitary condition of the institution.

Very truly yours,

WALTER W. WHITE, M. D.

Report of Cases treated in the Baltimore City Jail for the year ending December 31, 1888.

Abcess	18	Hœmoptysis	3
Abortion	1	Indigestion	47
Adenitis	4	Insomnia	86
Alcoholism	1,365	Insane	5
Asthma	18	Liver derangement	434
Burn	2	Mania potu	14
Bromidism	1	Metrorrhagia	7
Bronchitis	26	Neuralgia	23
Chagres fever	1	Nervous exhaustion	47
Colic	87	Orchitis	5
Constipation	458	Otitis	7
Conjunctivitis	15	Otalgia	67
Cystitis	1	Pneumonia	3
Diarrhœa	117	Pharyngitis	86
Dysentery	6	Pleurodynia	25
Dropsy	4	Phthisis pulmonalis	2
Eczema	26	Parotitis	1
Erysipelas	4	Rheumatism	138
Epilepsy	17	Sprain	41
Epistaxis	2	Syphilis	62
Felon	2	Tape worm	1
Furuncle	12	Ulcer, chronic	7
Frost bite	14	Wounds—contused, incised, lacerated, gunshot	61
Fractures	3		
Fever, intermittent	109		
Gohorrhea	115		
Hernia	2		
Hemorrhoids	21		
Hysteria	5	Total	3,628

SUMMARY.

White males	2,154
White females	367
Colored males	668
Colored females	439
Total	3,628

RESULT OF TREATMENT.

Cured	3,007
Relieved	568
Died	5
Under treatment	18
Sent to Bayview	29
Suicide	1
Total	3,628

CAUSES OF DEATH.

Intemperance	5
Suicide	1
Total	6

COLOR AND SEX.

White males	3
Colored males	3
Total	6

WALTER W. WHITE, M. D.

TWENTY-NINTH ANNUAL REPORT

— OF THE —

PARK COMMISSION

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1888.

REPORT.

BALTIMORE, December 31st, 1888.

To the Public Park Commission:

GENTLEMEN :

I herein beg leave to submit my report for the year 1888, being a condensation of the monthly reports to which you are respectfully referred for details if desired.

DRUID HILL.

Resumé of the work done during the year 1888.

A new eight seated model closet has been built for ladies on a stone pavement near Boat Lake.

A new ten-seated closet and urinals with water supply from Boat Lake has been built in same vicinity. These closets are supplied with movable metal boxes, and are emptied at regular intervals.

The Palm House has been completed during the year and stocked with plants; it is well and faithfully built and is as tight as it is possible to make so large a building. The heating apparatus is doing well, and its management has become familiar to the Gardener and his

Assistant. Four thermometers are kept, two inside and two outside the main house, and a record taken from all four every two hours day and night. Since the fires started several improvements have been made in the ventilation of the cellar and heating the work room. A great deal of work remains to be done in the matter of grading the approach, which, owing to the peculiar position of the house, involves the cutting down of the main road and the area in front of the house to give it proper elevation; this will be finished in the spring.

The two fountains on the Mansion plateau have been entirely rebuilt, also the basin of the Bull Fountain; these works had gone to pieces; they are now far better than ever before.

The water supply at the Mansion being very feeble during the summer season when the roads were being watered, an iron tank holding four hundred gallons has been placed in the cupola, and a pump placed on the main supply, which can be worked either by hand or electric motor, the lessees furnishing the motor.

Three new metallic skylights with ventilators have been placed on roof of Mansion to take the place of the old ones gone to decay.

One hundred and seventy-eight lineal feet of new stone support wall has been built along the west side of Mount Royal avenue to keep pace with the building and terracing, also seven hundred and thirty-one square yards of asphalt block pavement have been laid in same local-

ity to give access to the new houses and to make a dry crossing to the Mount Vernon shops. A brick walk has been laid in rear of Mansion, and the pavement around the fountain at same place enlarged. Road No. 9 has been completely rebuilt, including the entire system of drainage, gutters, borders, grades and metalling. This has been a heavy piece of work, but was indispensable, and is now secure. The junction of the Lake Drive with roads Nos. 3 and 5 and the south and east approach, has been lowered eighteen inches, regraded, drained and metalled, and the Lake Drive widened. These two road improvements and the Palm House have involved the construction of twenty-three hundred and sixty-one lineal feet of new stone gutter and the relaying of eight hundred and seven lineal feet of ditto. Seven hundred and two square feet of pebble paving, the building of seventeen No. 1 and twenty-eight No. 2 grated inlets, and the following drain pipe, thirty-two feet of two inch, fifteen feet of three inch, one hundred and ninety-one feet of four inch, four hundred and seventeen feet of six inch, fifty-one feet of eight inch, seventy-five feet of ten inch, five hundred and four feet of twelve inch, and two hundred and seventy feet of eighteen inch.

We have also laid one hundred and ninety-six feet one inch iron-supply pipe to Palm House. A new six inch waste pipe and stop have been put in at Lily Pond to facilitate emptying. One thousand and eighty lineal feet of buckthorn wire fence six feet high has been put around Rhododendron plat, three hundred and fifteen

lineal feet of six feet picket fence have been rebuilt, five thousand five hundred and forty-seven lineal feet of new guard fence built, and one thousand nine hundred and twenty feet repaired and all painted. The old Fort at Madison avenue entrance was cut back by the People's Railway Company with the permission of the Park Commission, so as to admit of the cars reaching the Madison avenue gateway; we then re-set the fence to the new line. One hundred and twenty-four tree holes have been dug and prepared for spring planting. Four hundred and ninety-five loads of compost have been spread on lawn and we have seven hundred loads now to spread. Two wooden bridges have been entirely rebuilt on the Philosopher's Walk. The stone culvert under Mount Royal avenue has been rebuilt at its eastern mouth; also the culvert at Green Spring avenue gateway. All the above items are in addition to the heavy amount of routine work required in constantly re-surfacing roads and watering them, saving the hay crop, cutting dead wood from the trees, and many other items. The following permits have been issued during the year: Picnics, four hundred and ninety-eight—aggregating sevety-four thousand seven hundred people—a large increase over the past year; baseball, five hundred and two permits; tennis, three hundred and eighty permits; lacrosse, six permits.

Arrests made during the year, thirty. All fines were collected through Justice Hebb. There was one suicide during the year, making twenty-two in all since the Park was opened in 1860. Captain Cassell reports

that the police regulations since the Belt was taken in have been very satisfactory, and that Marshal Frey is always ready to heartily co-operate with him in maintaining order in the Park; we have one mounted officer who is of great use in the outlying districts.

Please find below a table showing consumption of food by work animals and its cost.

	DRUID HILL.		PATTERSON.	
Kind.	Quantity.	Cost.	Quantity.	Cost.
Bushels oats	2,398	$1,007 80	360	$154 00
" corn	495	298 45	16	10 02
" middlings	140	43 00	85	18 75
Pounds hay	24,800	213 65	.....	.....
" straw	3,350	31 42	.....	.....
Total		$1,594 32		$182 77

SUNDRY ITEMS.

Show animals	$931 28	$59 33
Sheep	116 51	.....

This table is somewhat approximate, owing to the fact that our outstanding bills are much in excess of the usual amount at this season.

Our leases and privileges have all been paid up excepting $900, still due for the Mansion House, which will be paid this month.

The nurseries are well filled with trees and plants, which will be set out when large enough. In regard to the city passenger railways with which difficulties have existed in regard to the payment of the tax on their full gross receipts, the North Baltimore and the Citizens' have settled, and the York Road, I believe will; this leaves the Union which, probably for the purpose of gaining time, has decided to stand trial; there are two suits with this company, one here and one at Towson, the latter of which the City Solicitor is trying to have moved to Baltimore. It is very essential that these cases be disposed of speedily, and the law enforced against this company, which persists in refusing to pay the full tax justly due the city.

In regard to the future there are certain needs at Druid Hill Park which should be met as rapidly as circumstances will admit of.

First as to Roads—Certain main thoroughfares should be Macadamized, such as the Pimlico from Madison avenue gate to the Pimlico gate, Green Spring avenue which branches off from the Pimlico; Mount Royal avenue to a junction with the Lake Drive; the Lake Drive itself to a juncture with the Eutaw street entrance and the avenue of urns near the Madison avenue gateway. This would give ample driving the year round on turnpiked roads all connected, and leading in desirable directions. I do not think it will even be desirable to extend the Macadamized very much further, as the ordinary Park roads are more pleasant and less dusty

in summer weather. This work of course will have to be done gradually, and looking to its accomplishment, the former Commission, on September 19th, 1888, passed a resolution authorizing the General Superintendent and Engineer to purchase a stone crusher to be used for this purpose. I have made every inquiry in the matter and have made drawings of what is needed to set up the stone crusher and engine, etc. I have also chosen the location, but in view of the approach of winter and the scarcity of funds, I have not made any bargain for the same as yet. In connection with the crusher it will be necessary to have a five ton steam roller to properly consolidate the roads when made; this heavy rolling will soon save the cost of the roller in preventing washes. On our very steep roads I propose to put bands of pebble paving at intervals to check the cutting action of the water.

The estimated cost of No. 2 Gates Crusher set up ready for work is, say	$2,200
Five ton steam roller	2,500
Total outfit	$4,700

We have plenty of stone in the Park which will answer for Macadamizing. The first road Macadamized should be the Pimlico from Madison avenue entrance to the Pimlico gate, being the most traveled. The next road taken in hand should be the Lake Drive. This drive I would propose to turn into a fine concourse eighty feet wide for carriages, equestrians, and for a portion of the way for pedestrians, comprising a driveway

sixty feet wide, a sod border eight feet wide, containing a single row of trees, and a footway twelve feet wide, separated from the driveway by the sod and trees and raised about one foot higher. On the south side of the Lake at a point where the natural surface begins to fall below the Lake Drive, I would take off a branch road to connect with the present Mount Royal avenue at about the upper gateway, making a short and very convenient way to the City, and giving a front also to the private property adjoining it on the south. To execute this scheme, which requires a strip eighty feet wide, outside of the iron rail around the lake on the south side, we will have to obtain ground from Mr. Brooks. Again in connection with this, I propose to move the present Eutaw street entrance one hundred feet south, and enter the Park to the right and left by a sweeping curve with gentle grades; at present the entrance is not good, and as it is getting to be the principal carriage entrance in that vicinity, it should be improved. As this moving of the gateway takes two corners off Mr. Brooks' land, I have staked out the lines incident to the new gateway as well as the new concourse, and Mr. Brooks is having the land measured up before stating his terms. As the widening of the Lake Drive at other points does not touch private property, it is only a matter of construction. While on the subject of drives, I would propose to extend Fulton avenue into the Park to a junction with the Avenue of Urns; this entrance will be much needed in a few years, as Fulton avenue is in course of construction to the Park, and will make a favorite driveway from the west.

This improvement only involves the construction of a gate and a roadway on our own ground.

Secondly, the question of shelters is growing to be an important one, and they should be built as soon as we have the means. The most needed shelter at present is one at the Madison avenue gateway, which promises to become the objective point of all the City passenger railways, as it should be. I would here propose to cut down the old Fort to a level of about six feet above the street; this would make it conform to the Park level inside, and enable us to construct an ample platform in which to erect a pavilion for fifteen hundred people say one hundred and fifty by fifty feet which could be added to afterwards as needed. This pavilion would cost probably $3,000, and would shelter during sudden summer showers, the large number of visitors who go to the Madison avenue gateway to take either of the two car lines which now reach there. Two flight of steps would lead from the pavilion to the street. The next shelter In importance is the one recommended to be built along the crest of the dam at the Boat Lake; this should be one hundred by fifteen feet, and would cost say $600; it would give shelter to the large number of women and children which congregate to enjoy the lake on one side and the base ball ground on the other. Next, two moderate sized shelters are needed at the Picnic grounds, to be located at such points as would give most accommodation to the public. Most of the above recommendations have been brought up in former reports as they occurred to me, but as this is a resumé

of the past year's suggestions on these points, and as they are brought for the first time before the new Commission, I have felt it only right to go over them again.

PATTERSON PARK.

Resumé of work done during 1888.

January.—Lawns top dressed, trees and shrubs pruned, surface of ice on pond kept in good condition for skating. Drains, gutters and footways kept clean of snow and routine work carried on. On the 16th the carpenter's shop caught fire and was slightly damaged, in a few days it was repaired and made safe.

February.—One hundred and twenty-five tons of ice cut and stored in new ice-house, cost twenty-five cents per ton for labor of cutting and storing. Pruning of trees and removal of disfigured ones carried on, keeping ice in condition and general routine work.

March.—Pruning continued and completed, cleaning up walks and drains and general preparation for spring work.

April.—Three hundred benches painted, three hundred and ninety-six feet of new guard fence built, four hundred and two shrubs set out, eight shade trees set out, park nursery enlarged about one-third, making it one and a-half acres in extent; this was done in view of the completion of the extension, and to enable us to raise our own stock of trees and shrubs. Tool house

built in one corner of nursery to hold terra cotta pipe, wheelbarrow, etc.

May.—Forty-one shrubs set out, twenty thousand bedding plants set out in sixty-four beds, seven balsam firs planted at Lombard street entrance to take the place of half-dead Norway spruce. All new fences, sheds and roofs painted.

June.—Cutting grass, sodding, putting walks in order.

July.—One hundred and twenty-five lineal feet of three-brick gutter laid; three hundred and fifty lineal feet of four brick gutter laid; seven brick inlets built, one hundred and eighteen lineal feet of guard fence built; walk east of the Battery re-graveled.

August.—Old gateway on Baltimore street at northeast corner of Park closed and new one built, involving a flight of six steps and two hundred lineal feet of new walk, two new stationery settees sixteen feet long each, and four hundred and seven lineal feet of new guard fence with much sodding and shaping of ground. Repairs begun on Propagating House and Conservatory, with glazing of same. One hundred and fifty-three overgrown plants dug up and sent to the new Palm House at Druid Hill; this was a laborious and tedious job, requiring heavy tackle, derrick and heavy wagons. We had an abundance of smaller specimens to take their places, and they are not missed except to the advantage of the place which was packed with foliage.

September.—One hundred and twenty-six more plants transferred to Druid Hill, generally small and in pots. Work on Propagating House completed. Repairs on Conservatory continued, new stages were bnilt in south wing and centre, much decayed wood was removed from centre building and replaced. Ice-house was lined and the lining filled with sawdust. Seventy-four lineal feet of brick gutter, five bricks wide, laid in front of ice cream saloon, one hundred and ninety-seven lineal feet of brick gutter laid, three bricks wide, near Lombard street gate. All new guard fence painted.

October.—Repairs on Conservatory completed. Thirty-seven young trees framed in for protection. One hundred lineal feet of brick gutter laid, one hundred and twenty-five lineal feet of new guard fence built, three hundred feet of sub-soil drain laid at Mall, with six branches, one thousand two hundred and thirty lineal feet of trench dug and prepared for Osage Orange hedge on north side of Park.

November.—One hundred and five holes dug and prepared for shrubs to be set out in the spring, also forty-eight tree holes, one hundred and twenty-one lineal feet of terra cotta drain, four inch, laid on middle drive, also two new inlets built, seven trees taken out of grove back of ladies' house to prevent overcrowding, one hundred and seventy-five lineal feet of new guard fence built and painted. One thousand two hundred tulips, one thousand crocusses and three hundred and fifty hyacinths set out for spring flowering.

December.—Thirty-nine tree holes dug and prepared for spring planting, three old willows and eight silver maples removed, the former for safety, the latter to prevent overcrowding. Started to ditch and drain wet plat on west side of east drive. One hundred lineal feet of trench dug and prepared for Osage orange hedge at stable.

SUMMARY.

Brick gutter laid during year, lineal feet		846
Terra cotta pipe laid,	"	121
New inlets built,	"	10
New guard fence built,	"	1,221
Brick used in gutter, etc.,	"	8,000
Cumberland cement, barrels		35
Portland cement, barrels		2
Paint used, gallons		49
Putty used, pounds		403
Shrubs set out		443
Trees set out		15
Bedding plants set out		20,000
Arrests made during the year		13
Tulips, crocusses and hyacinths set out		2,550
Hedge trench dug and prepared, lineal feet		1,330
Shrub and tree holes prepared for spring planting		192

The Park is in excellent order and when spring again opens bids fair to be more attractive than ever. Twenty concerts were given during the season by Professor Winter's band. These concerts, whilst much enjoyed

by a number of quiet, well disposed, people do also attract a crowd of young people indifferent to the music, and whose morals are not improved by the promiscuous association into which they are drawn. In my opinion these concerts, if continued, should be over before dark, and one thing should be insisted on, viz: That no advertising should be allowed on the programme; during the past summer they were sold by Mr. Winter, I understand, to the "He No" tea people, who scattered thousands among the crowd, which amused itself by tearing them into small bits and left them on the grass to be gathered with infinite labor the next day by the Park hands.

With the control of the fund for completion of the extension it will be possible during the coming season to add a number of acres to the present Park; my plan being to move the eastern fence out by degrees; the extension cannot, however, be fully utilized until the Ogier's run branch is built to the main sewer, which is now completed, so that the valley can be filled up. This should be provided for by the Council this season. Every cent of the $200,000 to be devoted to the extension, and more too, will be required to fill in the valley and finish the Park as at present laid out, five hundred thousand cubic yards being required to be moved into the valley, to obtain which will require the grading of the greater part of the high ground towards Highlandtown. To aid this process we are obtaining all the ashes and refuse possible from the eastern section, and the dump is advancing quite well into the low grounds.

The completion of the main sewer to tide water is a great boon, and with the valley filled up, improvements will go on to the eastward rapidly.

FEDERAL HILL PARK.

Resumé of work done during the year 1888.

The heaviest work has been the completion of the south extension from Warren avenue to Grindall street. This work has involved the removal of three thousand cubic yards of material, the driving of two rows of twenty feet piles to secure the Covington street slope, the construction of one thousand two hundred and twenty-nine lineal feet of drain ditches, four feet deep containing two inch terra cotta pipe and ninety-eight feet of six inch terra cotta pipe to drain Warren street, also one hundred and ninety-five feet of six inch pipe to drain Hamburg street into Grindall street; four inlets have been built in connection with this work; four hundred lineal feet of picket fence have been put up along Covington street and the new slopes all soiled and sowed with seed, which has come up luxuriantly. A flight of steps has been built giving access to Grindall street. In connection with the work one hundred and thirty-five lineal feet of curbing has been set along Covington and Grindall streets and one thousand and ninety-six square yards of brick paving, which completes the pavement clear around the Park.

In the old Park one hundred and twenty-five square yards of asphalt block pavement have been laid. The

above pavements were all laid with sand taken out of the extension slopes, amounting to three hundred cubic yards. One hundred and twenty-five square yards of asphalt block pavement has been re-laid in old Park where settlements had taken place.

Seventeen hundred and nine lineal feet of trench has been dug and prepared for Osage orange hedges along Battery avenue, Warren avenue, Hughes street and Covington street; forty-three tree holes have been dug and prepared in old Park for spring planting. The signal poles on the Observatory have been moved out to the corners of the upper gallery, a much needed change. In doing this I found it necessary to brace the cupola, which was badly built, and leans six inches out of plumb from last winter gales. The stairways from Hughes street and Battery avenue have been entirely rebuilt, and much other work done difficult to specify. Everything is in excellent order.

RIVERSIDE PARK.

Resumé of work done during 1888.

Carriage roads have been thoroughly recoated with gravel where needed. Seven hundred and twenty-eight lineal feet of three-quarter inch galvanized iron pipe has been laid in Park to reach points which were without water, and street washers set where needed; eleven hundred and fifty lineal feet of brick gutters have been re-laid.

The pavilion which stood at the western fence has been removed on rollers four hundred and eighty feet eastward, and re-set on brick pier in a beautiful situation, commanding a view of the river.

The slope along Randall street has been regraded to conform to the pavement which was laid last year. In connection with this four hundred lineal feet of drain ditch has been dug at the foot of the slope, which is springy. Two hundred and ninety-six lineal feet of fence has been set into the Park on the northwest corner to admit of passage from Johnson street into Randall, Johnson street being blockaded with houses at this point. Sixty lineal feet of six-inch terra cotta pipe have been laid to drain hydrant. The roofs of the pavilion, stable, tool house and office have been painted with two coats.

Eighteen trees and six shrubs have been set out, and sixty-four tree holes and twenty-one shrub holes have been dug and prepared for spring planting. On October 25th, at 4 A. M., the stable on south side of Park caught fire from a passing locomotive and was burned to the ground, and the tool house damaged; the horse and harness were saved. We received $230 insurance. In addition to the above items the routine work has been faithfully kept up and the Park is in excellent order. The nursery contains about two hundred fine young trees for planting out during the next year or two.

JOHNSTON SQUARE.

Resumé of work done during 1888.

Sixteen hundred and forty-six lineal feet of trench dug and prepared for Osage orange hedge in spring. Fourteen tree holes dug and prepared for planting. Ten Balsam firs set out in April. Seventy-three Pirus Japonica plants set out in April. Eleven hundred and four lineal feet of brick gutter re-laid. Four hundred and twenty-seven lineal feet of guard fence built. Seventy lineal feet of three-inch terra cotta pipe laid. Four brick inlets built in connection. All of the benches, guard fence and electric light poles have been painted. One new flower bed prepared for flowers, and ten beds in all were filled with flowers and foliage plants. Fifty iron guards were set in the coping of the stairways to prevent sliding by children.

The above work is in addition to the daily care of the Park, which is constant. Only one man has been employed in addition to the Local Superintendent and he only for part of the year. Property is in excellent order.

COLLINGTON SQUARE.

Work was suspended on this Park about October 5th, from exhaustion of appropriation. Being a new Park and in course of construction our effort has been to develope as much surface as possible, and to protect it, by sowing and sodding, from deterioration. This has been done. A large amount of surface has been

made and protected. The capacities of the Park are considerable, and it will be a great ornament and very useful to adjoining sections. Even now, building has progressed wonderfully about it. I propose to set out about a dozen trees in the upper esplanade in the spring, holes for which have been prepared.

FRICK'S TRIANGLE.

This little plat, situated opposite the Mount Royal entrance to Druid Hill, has been, I think, made the most of; its size was so small that I concluded the only treatment which promised anything, was to elevate it into a mound, as has been done. It has been terraced and planted and will be a pleasing object in a year or two hence. It is about finished and only needs maintenance.

APPROPRIATIONS.

I submit below an estimate of the amounts required to improve and maintain those Parks, which depend upon special appropriations, for the year 1889.

Federal Hill Park.

Pay rolls	$1,800
Materials	800
Benches	250
Trees and shrubs	150
Total	$3,000

Riverside Park.

Pay rolls	$2,700
New stable and tool house	1,000
Materials	600
Trees and shrubs	100
Total	$4,400

Collington Square.

Labor and tools	$3,000

Johnston Square.

Pay rolls	$ 950
Trees, hedge, plants and beds	250
Paving around circle	400
Total	$1,600

Frick's Triangle.

Labor and materials	$250

In closing, I must bear witness to the faithful performance of every duty by the local superintendents, and to their able and honest assistance in carrying out what is ordered to be done I am very much indebted.

The inventories of all property in each of the parks will be found attached to this report, also list of employees and acreage of parks.

Respectfully submitted,

C. H. LATROBE,

General Superintendent and Engineer.

LIST OF EMPLOYEES—NAMES AND COMPENSATION.

Charles H. Latrobe, General Superintendent and Engineer	$2,500 00	per annum.
D. Rayhice, Secretary and Treasurer	1,200 00	"

Druid Hill Park.

William H. Cassell, Local Superintendent	$1,500 00	per annum.
William D. Hamilton, Gardener.	1 71⅜	per day.
James Hinton, Gatekeeper, Madison avenue (day)	1 25	"
William Williams, Gatekeeper, Madison avenue (night)	1 25	"
Michael Byrne, Gatekeeper, Druid Hill avenue	1 25	"
Daniel Simonds, Gatekeeper, Mount Royal avenue (day)	1 25	"
Jno. Murphey, Gatekeeper, Mount Royal avenue (night)	1 25	"

Walter King, Gatekeeper, upper Mount Royal	1 25	per day.
B. Donnelly, Gatekeeper, Reisterstown road	1 25	"
Geo. McCullough, Gatekeeper, Northwestern	1 42$\frac{6}{7}$	"
Frank Beekler, Gatekeeper, Green Spring avenue (day)	1 25	"
A. Fisher, Gatekeeper, Green Spring avenue (night)	1 25	"
E. Blizzard, at Sea Lion pond	1 25	"
Frank Walton, Watchman (night)	1 42$\frac{6}{7}$	"
Chas. Morgan in charge of animals	1 57$\frac{1}{7}$	"
George Fossil, Shepherd	1 42$\frac{6}{7}$	"
Kasper Kentner, Assistant	1 28$\frac{4}{7}$	"
M. Almony, Carpenter	1 75	"
George O'Bryan, Stableman	1 66$\frac{2}{3}$	"
C. Scalano, in charge of camels	1 25	"
Drivers and Laborers	1 66$\frac{2}{3}$	"

Patterson Park.

Archibald Anderson, Local Superintendent	$ 800 00	per annum.
Charles E. Hulse, Gatekeeper, Eastern avenue	1 28$\frac{4}{7}$	per day.
James Fairley, Watchman	1 57$\frac{1}{7}$	"
Drivers and Laborers	1 66$\frac{2}{3}$	"

Riverside and Federal Hill Parks.

Thomas Clark, Local Superintendent	$	15 00	per week.
Laborers		1 66⅔	per day.
Watchman		1 00	"

Johnston Square.

Frank McLain, Local Superintendent	$	12 00	per week.
Laborers		1 66⅔	per day.

Area of the Parks under the Control of the Public Park Commission.

	ACRES.
Druid Hill Park contains	693
Patterson Park and Extension contains	113½
Riverside Park contains	17¼
Federal Hill Park contains	8¼
Johnston Square contains	2 58/100
Collington Square contains	5 14/100
Total	839 72/100

C. H. LATROBE,

General Superintendent and Engineer.

REPORT OF THE SECRETARY AND TREASURER.

Receipts and Expenditures of Druid Hill Park, year ending December 31, 1888.

	Dr.	Cr.
To interest	$33,067 20	
" pay rolls	30,945 81	
" palm house	20,296 37	
" food for show animals	931 28	
" office expenses	241 23	
" repairs to reapers and mowers	183 63	
" horse-shoeing	280 75	
" food for work animals	1,588 71	
" repairs to vehicles and harness	268 20	
" food for sheep	116 51	
" tools and hardware	131 97	
" miscellaneous expenses	8,548 69	
By City Passenger Railway Company, four-fifths of receipts		$52,783 25
" Citizens' Railway Company, four-fifths of receipts		11,351 35
" York Road Railway Company, four-fifths of receipts		957 22
Amounts carried forward	$96,600 35	$65,091 82

	Dr.	Cr.
Amounts brought forward...	$96,600 35	$65,091 82
By North Baltimore Railway Company, four-fifths of receipts.....		13,156 36
" Union Railway Company, four-fifths of receipts....		5,416 68
" Central Railway Company, four-fifths of receipts....		4,765 41
" People's Railway Company, four-fifths of receipts....		5,216 70
" Highlandtown and Point Breeze Railway Company, four-fifths of receipts....		733 93
" privilege of boats.....		300 00
" fines		145 00
" rent of Mansion House.....		1,100 00
" sale of deer.....		151 35
" sale of ice.....		10 00
" sale of horse.....		25 00
" sale of wool		115 69
" privilege of ponies, goats, etc.		75 00
" rent of stone dwelling		500 00
" sale of wood.....		171 00
" sale of venison.....		7 68
" sale of sheep.....		380 00
" labor, Frick's Triangle.....		80 41
" privilege of swings.....		75 00
	$96,600 35	$97,517 03

Receipts and Expenditures of Patterson Park, year ending December 31, 1888.

	Dr.	Cr.
To interest	$ 8,266 76	
" pay rolls	10,383 97	
" repairs to vehicles and harness	185 12	
" food for show animals	59 33	
" tools and hardware	60 73	
" repairs to reapers & mowers	85 64	
" fuel	219 20	
" food for work animals	182 77	
" horse shoeing	29 75	
" miscellaneous expenses	2,692 64	
By City Passenger Railway Company, one-fifth of receipts		13,195 79
" Citizen's Railway Company, one-fifth of receipts		2,837 82
" York Road Railway Company, one-fifth of receipts		239 29
" North Baltimore Railway Company, one-fifth of receipts		3,289 07
Amounts carried forward	$22,165 91	$19,561 97

	Dr.	Cr.
Amount brought forward...	$22,165 91	$19,561 97
By Union Railway Company, one fifth of receipts...		1,354 16
" Central Railway Company, one-fifth of receipts.....		1,191 34
" People's Railway Company, one-fifth of receipts.....		1,304 16
" Highlandtown and Point Breeze Railway Company, one-fifth of receipts.....		183 48
" privilege of swings.....		40 00
" rent of saloon and privilege of boats.....		400 00
	$22,165 91	$24,035 11

Balance Sheet, Druid Hill and Patterson Parks, year ending December 31, 1888.

		Dr.	Cr.
To interest		$ 41,333 96	
" pay rolls and improvements.		77,432 30	
By balance due Park Board, December 31, 1887			$ 32 96
By receipts from City Passenger Railway Company	$72,140 30		
Less sinking fund (after deducting $41,333 96 for interest	6,161 26		
			65,979 04
By receipts from Citizen's Railway Company	$17,736 46		
Less sinking fund	3,547 29		
			14,189 17
By receipts from York Road Railway Company	1,495 64		
Less sinking fund	299 13		
			1,196 51
By receipts from North Baltimore Railway Company	$20,556 76		
Less sinking fund	4,111 33		
			16,445 43
Amounts carried forward		$118,766 26	$97,843 11

		Dr.	Cr.
Amounts brought forward...		$118,766 26	$97,843 11
By receipts from Union Railway Company	8,463 55		
Less sinking fund..	1,692 71		
			6,770 84
By receipts from Central Railway Company	7,444 93		
Less sinking fund..	1,488 18		
			5,956 75
By receipts from People's Railway Company	8,151 07		
Less sinking fund..	1,630 21		
			6,520 86
By receipts from Highlandtown & Point Breeze Railway Company	1,146 76		
Less sinking fund..	229 35		
			917 41
By rent of Mansion House, stone dwelling, refreshment saloon, sale of sheep, wood, deer, fines, privilege of swings and boats, etc.....			3,576 13
By balance.....		2,818 84	
		$121,585 10	$121,585 10

Expenditures of Federal Hill Park, year ending December 31, 1888.

	Dr.	Cr.
By appropriations		$5,894 85
By rent of Pavilion		150 00
By rent of Observatory		200 00
To improvements and maintenance	$6,238 80	
To balance	6 05	
	$6,244 85	$6,244 85

Expenditures of Johnston Square, year ending December 31, 1888.

	Dr.	Cr.
By appropriations		$2,022 70
By sale of old iron		04
To improvements and maintenance	$1,841 94	
To balance	180 80	
	$2,022 74	$2,022 74

Expenditures of Riverside Park, year ending December 31, 1888.

	Dr.	Cr.
By appropriations		$4,756 17
By sale of old iron		6 82
By Insurance Company, damage by fire		230 50
To improvements and maintenance	$4,664 47	
To balance	329 02	
	$4,993 49	$4,993 49

Expenditures of Collington Square, year ending December 31, 1888.

	Dr.	Cr.
By appropriations		$2,533 53
To improvements	$2,527 54	
To balance	5 99	
	$2,533 53	$2,533 53

Expenditures of Frick's Triangle, year ending December 31, 1888.

	Dr.	Cr.
By appropriation		$ 500 00
To improvements	$ 464 33	
To balance	35 67	
	$ 500 00	$ 500 00

Music at the Parks, 1888.

Appropriation and expenditure	$3,000 00

COMPARATIVE STATEMENT.

RECEIPTS.	1886.	1887.	1888.
Receipts from City Passenger Railway Company, ending Dec. 31, less Sinking Fund.	$64,070 11	$66,695 27	$65,979 04
Receipts from Citizens' Railway Company, less Sinking Fund	12,485 65	13,335 05	14,189 17
Receipts from North Baltimore Railway Company, less Sinking Fund	14,192 74	14,703 54	16,445 43
Receipts from York Road Railway Company, less Sinking Fund	1,034 49	1,142 16	1,196 51
Receipts from Union Railway Company, less Sinking Fund	4,706 34	5,679 33	6,770 84
Receipts from Central Railway Company, less Sinking Fund	5,441 82	5,999 79	5,956 75
Receipts from People's Railway Company, less Sinking Fund		5,752 27	6,520 86
Receipts from Highlandtown and Point Breeze Railway Company, less Sinking Fund		691 21	917 41
	$101,931 15	$113,998 62	$117,976 01

Deduct interest on Park Stock, as per Register's account	41,333 96	41,333 96	41,333 96
Remaining for Park purposes	$60,597 19	$72,664 66	$76,642 05
Of which one-fifth goes to Patterson Park	12,119 43	14,532 93	15,328 41
And balance to Druid Hill Park	$48,477 76	$58,131 73	$61,313 64
Add Resources Peculiar to Druid Hill Park:			
Rent of Mansion House and Stone Dwelling.	2,378 50	2,429 50	1,600 00
Sale of Sheep, Deer, Wood, Privilege of Swings, etc	1,475 55	1,981 95	1,091 13
Fines	60 00	105 00	145 00
Boat Privilege	200 00	300 00	300 00
	$52,591 81	$62,948 18	$64,449 77
Add Resources Peculiar to Patterson Park:			
Rent of Saloon and Boat Privilege, Swings, Fines, etc	405 00	510 00	440 00
Patterson Park, one-fifth of General Revenue.	12,119 43	14,532 93	15,328 41
Total applicable to both Parks	$65,116 24	$77,991 11	$80,218 18

EXPENDITURES.

	1886.	1887.	1888.
Labor and Materials to 31st December, Druid Hill Park	$48,152 22	$67,606 32	$63,533 15
Labor and Materials to 31st December, Patterson Park	11,756 11	16,047 29	13,899 15
	$59,908 33	$83,653 61	$77,432 30

Inventory of Stock, Implements, &c., Druid Hill Park, January 1, 1889.

Zoological.

6 camels.
1 sea lion.
100 deer (about).
3 prairie dogs.
6 monkeys.
4 Irish hares.
6 English rabbits.
2 wild cats.
1 Brazilian rat.
2 raccoons.
12 Guinea pigs.
1 badger.
1 ant eater.
2 ground hogs.
3 crested cockatoos.
10 king doves.
25 mixed birds.
2 hawks.
1 German swan.
10 wild geese.
2 wild ducks.
4 rose cockatoos.
1 macaw.
1 raven.
2 bald eagles.
2 white geese.
1 horned owl.
1 toucan.
6 fancy pigeons.
2 parrots.

Stock.

6 horses.
12 mules.
129 ewes.
20 rams.

Vehicles.

9 two-horse water wagons.
1 one-horse water cart.
1 jagger.
1 express wagon.
1 no-top buggy.
8 carts.
1 night cart.
1 dray.
1 lumber wagon.

Implements.

2 single rollers.
2 double rollers.
1 hand roller.
2 Oliver plows.
1 hillside plow.
4 harrows.
10 iron rakes.
2 horse rakes.
4 wooden rakes.
41 picks.
17 mattocks.
18 border hoes.
26 stone hammers.
12 dung forks.
2 mortar hoes.
12 long handle shovels.
6 short handle shovels.
8 axes.
10 reed brooms.
12 hay forks.
4 scythes.
6 crow-bars.
12 ice hooks.
12 snow shovels.
100 feet 1 inch gum hose.

Gardeners' Department.

2 fumigators.
1 brass syringe.
1 rubber syringe.
2 pruning saws.
1 pair pruning shears.
2 pair long handle pruning shears.
1 grass sickle.
3 lengths 50 feet hose.
2 hose nozzles.
1 hatchet.
1 hand weeder.
2 coal shovels.
2 furnace pokers.
1 furnace scraper.
2 furnace rockers.
2 furnace wrenches.
1 large coal sifter.
2 soil sieves.
1 scrubbing brush handle.
2 spades.
5 thermometers.
3 watering cans.
1 pair hedge shears.
1 wheelbarrow.
1 pair edging shears.
1 garden rake.
2 draw hoes.
1 scuffle hoe.
2 trowels.
1 reed broom.

At Stable.

8 sets double harness.
2 sets lead harness.
1 set single harness.
6 horse blankets.
2 oil covers.
1 pair clippers.
250 feet ¾ rope and blocks.
250 feet ½ rope and blocks.
200 pounds iron, for ——
2 gum covers.
7 pipe wipers.
12 halters.

At Blacksmith Shop.

1 set smith's tools.
1 small lot of iron and steel (new).
1 small lot of lumber (new).

Stoves and Furniture.

6 stoves at gates.
1 stove at Zoological.
1 stove at local superintendent's office.
1 stove at skating pavilion.

Miscellaneous.

1 dead line and grapple.
1 lot terra cotta pipe (various sizes).
12 wheelbarrows.
4 ladders.
6 snow plows.
12 buckets.
1 barrel Portland cement
7 bags Cumberland cement.
2000 No. 1 arch brick (town and county).
4 gallons terra cotta paint.
150 asphalt blocks.
130 guard stones.
305 posts.
2 mauls.
6 wedges.

Lot of Granite.

8 pieces, 3 feet x 18 in. 4 pieces 3½ feet x 18 in.
4 " 5 feet x 18 in. 2 " 4½ feet x 18 in.
4 " 8 feet x 18 in.

This stone is near the Stone House, Reistertown Road.

Benches.

1317 outside. 67 in shelter.

Property at Patterson Park, December 31, 1888.

Buildings.

One residence (Local Superintendent's), one stable, barn, carriage house, and tool house in one building, one propagating house, one conservatory, two pavilions, one carpenter shop, one ice cream saloon, one boat house, two watch boxes for gatekeeper, four water-closets.

Live Stock.

2 horses.

Show Birds.

3 macaws. 1 cockatoo.
3 pea fowls. 2 female pea fowls.
4 China geese.

Tools, &c.

3 plows.
1 buggy.
1 harrow.
3 carts.
1 wagon.
1 water wagon.
1 snow plow.
1 cultivator.
2 English scythes.
2 axes.
1 hatchet.
1 brace.
4 bits.
4 picks.
4 mattocks.
1 jack plane.
4 valve keys.
1 square.
4 paint brushes.
2 whitewash brushes.
2 horse brushes.
1 sponge.
2 curry combs.
2 corn brooms.
4 horse blankets.
1 horse oil cover.
1 buffalo robe.
1 monkey wrench.
1 single horse roller.
1 hand roller.
2 single horse lawn mowers 30 inch.
1 two-horse hay mower 30 inch.
1 16-inch hand mowing machine.
1 18-inch hand mowing machine.
2 garden rakes, (iron).
2 garden hoes (steel).
4 garden spades (steel).
3 garden trowels (steel).
1 garden line and iron reel.
3 garden forks (steel).
2 bricklayer's hammers.
2 bricklayer's trowels.
4 snow shovels (steel).
4 snow scrapers (steel).
1 cross-cut saw 4 feet.
1 cross-cut saw 5 feet.
2 pruning saws.
2 tree pruning shears.
1 pair shrubbery shears.
2 manure forks (steel).
4 hay forks (steel).
5 hay forks (wooden).
2 short handle shovels.

8 long handle shovels.
6 wheelbarrows (wooden)
1 steel cold chisel.
2 pair of grass edging shears.
1 fifty-foot tape line.
1 spirit level.
2 large fire rakers.
2 fire pokers.
1 ladder 28 feet extension.
1 step ladder 8 feet long.
1 oil can (5 gallons).
6 rattan brooms.
4 lanterns.
1 desk.
4 watering cans.
2 sets cart harness.
1 set wagon harness, single.
2 sets of machine harness.
1 single set buggy harness.
1 double set wagon harness.
1 cat and rat rifle.
1 brass hand syringe.
1 carpenter's bench screw.
300 feet of old boards, 1 in. x 12 in. 16 feet
6 drain well grates, 26 in. x 26 in.
3 bags Cumberland cement.
1 night watchman's tin horn.
100 feet of ¾ inch hose, 3 ply.
1 five foot galvanized pump.
560 benches (wooden).
1 lamplighter.
2 fumigators.
1 sand screen.
2 soil screens.
1 wood chisel.
2 riding bridles.
1 riding saddle.
3 stoves.
1 large United States Ensign.
4 large bird cages.
1 summer knee blanket.
1 winter knee blanket.
1 plumber's iron gas pump.
2 sickels.
2 screw drivers.

2 nursery spades, (steel).
1 iron vice.
10 new fence posts.
25 fence pickets, cypress.
3 horse buckets.
1 18 inch grindstone.

Inventory of Property at Federal Hill Park, December 31, 1888.

1 horse mowing machine
96 benches.
1 pile driver, complete.
4 spades.
15 picks.
2 mattocks.
18 long handle shovels.
4 wheelbarrows.
4 gravel rakes.
2 hay rakes.
2 hay forks.
3 scythes.
2 block chisels.
4 crowbars.
2 sledge hammers.
1 axe.
4 hoes.
1 hatchet.
1 saw.
1 monkey wrench.
1 screw driver.
1 edging knife.
1 line.
6 lengths of hose and reel.
1 step ladder.
1 paving rammer.
3 paving hammers.
1 spirit level.
1 grindstone.
1 tree pruning shear.
3 sickels.
1 square.
7 points.
2 chisels.
6 drills.
2 block hammers.
1 pitching tool.
2 gutter molds.
3 brooms.
1 stove.
1 desk.
2 chairs.
7 gallons paint.
50 new asphalt blocks.
1 small lot lattice strips.
1 lot of old lumber.
1500 paving bricks.
blocks.
rope.

Inventory of Tackle belonging to Pile-Driver on Federal Hill Park.

4 twelve-inch double blocks.
4 twelve-inch single blocks.
2 ten-inch double blocks
2 eight-inch double blocks.
1 ten-inch leading block.
2 small rigging tackle.
400 feet of 4½ inch rope (about).
180 feet of 5 inch rope.
1 tag line and tripper.
2 cant hooks.
1 chain sling.
1 cross-cut saw.
3 pinch bars.
2 mauls.
2 pile buggies.
2 rollers.
1 set of iron for hoisting crab.
2 pieces 12x12, 30 feet long.
1 piece 12x12, 29 feet long.
1 piece 12x12, 25 feet long, Georgia pine.

Inventory of Property at Riverside Park, December 31, 1888.

1 dirt cart.
1 watering cart.
1 horse roller.
1 horse harrow.
1 horse mowing machine
1 hand mowing machine.
470 benches.
3 wheelbarrows.
7 picks.
3 spades.
2 digging forks.
2 hay rakes.
3 gravel rakes.
16 short handle shovels.
4 long handle shovels.
2 hay forks.
3 scythes.
1 edging knife.
4 lengths of hose and reel
2 sickels.

2 monkey wrenches.
2 oil cans.
1 grinding stone.
1 tree pruning shears.
1 hand pruning shears.
1 hatchet.
2 saws.
2 chisels.
2 planes.
1 brace.
3 bitts.
1 auger.
1 bevel.
1 hammer.
1 ladder.
1 spirit level.
3 mattocks.
4 planting trowels.
9 corn brooms.
1 brass syringe.
2 stoves.
1 desk.
2 chairs.
19 pieces 18-inch terra cotta pipe.
6 pieces 15-inch terra cotta pipe.
73 pieces 8-inch terra cotta pipe.
73 pieces 6-inch terra cotta pipe.
9 small inlet grates.
4 large inlet grates.

Inventory of Property at Collington Square, December 31, 1888.

Stored at Patterson Park, January 1, 1889.

1 spirit level.
1 hand saw.
4 picks and handles.
2 spades.
2 hay rakes.
1 axe.
2 oil cans.
1 garden reel.
1 steel crowbar.
1 bucket.
3 cups.
1 sod rammer.
1 scythe and snath.
1 hose reel and hose.
1 grass sickel.
2 sod knives.
1 hand lawn mowing machine.
6 shovels.
5 wheelbarrows.
1 new hatchet.
1 old hatchet.
1 harrow.

Inventory of Property on hand at Johnston Square, December 31, 1888.

1 wheelbarrow.
1 iron hand roller.
2 hand lawn mowers.
2 large handle shovels.
2 short handle shovels.
2 spades.
1 crowbar.
2 iron rakes.
3 picks.
1 mattock.
2 sodding knives.
2 stamps for marking tools.
1 monkey wrench.
1 hand screen.
1 cold chisel.
1 signal lamp.
1 step ladder.
1 garden hoe.
1 large oil can.
1 small oil can.
1 wooden rake.
1 bricklayer's hammer.
1 spirit level.
1 axe.
1 mason's trowel.
1 mason's square.
7 sections gum hose and reel.
1 edging knife.
1 scythe.
2 scythe snaths.
1 tree pruner.
1 pair pruning shears.
1 pair sheep shears.
1 syringe (brass).
2 weeders.
1 sickel.
1 key street washer.
1 cask for tobacco water.
1 saw.
1 hatchet.
1 jack plane.
1 saw set.
1 1½-inch wood chisel.
1 6-inch square.
1 paint brush.
80 lineal feet of 2-inch tile pipe.
2 iron grates for inlet.
1800 lineal feet of 1-inch pine board.
54 benches in good order.
1 tool house and furniture.
1 stove and pipe.
1 12-foot wire fence for flower bed.

ANNUAL REPORT

—OF THE—

WATER DEPARTMENT

— TO THE —

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1888.

Officers of the Water Board,

DECEMBER 31, 1888.

COMMISSIONERS.

HON. FERDINAND C. LATROBE, MAYOR, *Ex-officio President.*
JOHN F. HUNTER, *Secretary.*
WM. A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
FRANCIS H. HAMBLETON.

REGISTRAR'S DEPARTMENT.

E. SHRIVER, *Water Registrar.*
JAMES A. MARRIAN, *General Book-Keeper.*
JAMES S. ETCHBERGER, *Cashier.*
J. J. C. SCULLY, *Clerk of Errors.*
WM. GILMOR, OF WM., *Ledger Clerk.*
E. J. EDWARDS, "
A. J. C. WHITE, "
JOHN GIBSON, "
SAMUEL A. HART, "
J. BEALE HOWARD, "
E. A. HOGG, *Meter and New Supply Clerk.*

BENJ. PRICE,
GEORGE A. COLEMAN,
JOHN D. ALCOCK,
D. G. CARLISLE,
S. L. AUERBACH,
JOHN F. KERNS,
LEONARD C. HORNICK,
BARNEY L. HESS,

District Inspectors and Bill Distributors.

GEORGE W. EMMERICH, *Special Inspector.*

ENGINEER'S DEPARTMENT.

ROB'T K. MARTIN, *Chief Engineer.*
WM. L. KENLY, *Engineer and Superintendent County Division.*
MATHEW O'BRIEN, *Draughtsman.*
RICHARD D. MURPHY, *Clerk.*

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL,

BALTIMORE, January 2d, 1889.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In fulfillment of the duty imposed by ordinance the Water Board have the honor of submitting their report for the year 1888. There remained to the credit of the Water Department on the 31st of December, 1887:

Revenue account		$9,934 60
Permanent supply account		3,833 52
Making a total of		$13,768 12
Received from all sources for year ended December 31st, 1888		$1,089,300 99
Gave amount available for 1888		$1,103,069 11
The disbursements during the year ended December 31st, 1888, amounted to		1,027,271 11
Leaving a balance December 31st, 1888		$75,798 00

Of which there belonged to	
Revenue account	$26,848 57
Permanent supply account	3,833 52
1926 loan account	45,115 91
	$75,798 00
The net revenue for the year 1888 from water rents, plumbing bills, meter supplies, &c., after deducting $32,954.67 discount on 1888 water rents was	$635,397 47
Appropriation for plugs and fountains	5,000 00
Water stock	400,000 00
Water tax	48,903 52
For the year 1887 the net receipts from water rents, etc., were	641,924 10
Appropriation for plugs and fountains	4,000 00
Water tax	50,421 20

The disbursements for the year ended include:

For Lake Clifton and mains	$177,890 43
" Guilford Reservoir	37,125 67
" Eastern pumping station	23,778 75
" Temporary supply main	1,602 34
" Distributing mains	84,942 23
" Loan, paid February 3d, 1888	100,000 00
" Working expenses, fire plugs, fountains, returned money, &c., &c	121,301 69
" Interest on $9,900,000 00 water stock.	480,630 00
	$1,027,271 11

Applications for new supplies made during the year will yield, according to water rates of 1888, an annual revenue of.	$19,064 00
The new supplies for 1887 at same rates were	25,474 50

Applications for 2,674 houses and warehouses were made in 1888, against 3,669 houses and warehouses in 1887.

It has been the constant desire of the Board to furnish water at a minimum rate, and to suggest such changes as in their judgment were well advised. During the past year a revised schedule of rates has been adopted, by which an aggregate reduction of $80,000 has been made to the water consumers, without any increase in the annual tax levy, or impairing the ability of the department to pay the interest upon the water bonds, and to provide for all current expenses.

The amount received from the City Collector on account of the direct tax falls below that received in previous years, and the revenue to be derived from new supplies during 1889 will be materially decreased by the decline in building.

Four hundred thousand dollars of the one million four per cent. bonds authorized by ordinance have been disposed of, and the premium amounting to twenty-nine thousand seven hundred and fifty-three dollars has been paid into the sinking fund.

Three and one-half acres of land lying east of Broadway and north of the Union railroad embankment, have been purchased for an Eastern High Service Pumping Station. Its proximity to the railroad, and the consequent economical delivery of coal, renders the location very desirable. As it will also be used for storage purposes for material, the Board will be enabled to dispense with other property for which they have been paying an annual rental of five hundred dollars.

A contract has been entered into with Messrs. Jones & Thorne, for the construction of Guilford Reservoir on Cold Spring Lane, at an elevation of three hundred and fifty feet; this reservoir will have a capacity of forty millions of gallons; the water for its supply will be drawn from Lake Clifton through the Eastern Pumping Station. All the territory lying between Huntingdon avenue and Cold Spring lane will be furnished from this point. The thirty six-inch pipes formerly used upon the Gunpowder temporary supply, connecting the Gunpowder river with Roland's run, are being recovered at a comparatively small cost, and will be re-laid under the York road, forming a line through which the water will be forced from Clifton to Guilford reservoir.

Attention has been given to the wants of the recently annexed territory, and additional mains are being put down. Those now in use were laid when the districts were sparsely settled, and are inadequate to the increased demand. It is the intention of the Board to abandon them as rapidly as possible.

Water was turned into Lake Clifton on the 27th of December. This work is now practically completed, only the restoration and embellishment of the grounds remain to be finished during the coming season. Continued attention has been given to the distribution of water for fire purposes. Mains have been enlarged and extended; plugs of increased capacity have been erected, many of them furnishing water for two engines, and all of them capable of giving a supply more than equal to the requirements of the most powerful modern engine. The aggregate number of plugs now in use amount to 1,169—131 of which have been placed in position during the past year.

For matter of detail in regard to the financial and engineering departments, the Board respectfully refers you to the very comprehensive reports of the Engineer in Chief and Water Registrar.

FERDINAND C. LATROBE,
President Ex-officio,

JOHN F. HUNTER, *Secretary*,
WILLIAM A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
F. H. HAMBLETON,
Commissioners.

Water Registrar's Report.

REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31st, 1888.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

The following statements will show the receipts and disbursements of the Registrar's department for the year ending with December 31st, 1888, and have been prepared and are submitted as directed by City Ordinance No. 10, Section 8.

The receipts for the year were as follows:

From 1888 water rents	$396,734 32
" 1887 " "	118,301 84
" 1886 " "	6,070 40
" 1885 " "	1,681 00
" Meter rents	108,364 90
	$631,152 46
Less discounts on 1888 water rents	32,954 67
Amount carried forward	$598,197 79

Amount brought forward	$598,197 79
From Plumbing bills	31,556 06
" Interest	2,395 29
" Distributing mains	787 02
" Lake Roland	1,231 51
" Loch Raven	218 46
" Lake Montebello	142 78
" Hampden Reservoir	33 00
" Jones' Falls conduit	59 00
" Mount Royal Reservoir	15 00
" High Service Reservoir	6 50
" Druid Lake	11 00
" Appropriation for new fire-plugs and fountains	5,000 00
" Water tax	48,903 52
" Water stock 1926	400,000 00
" Lake Clifton	744 06
Net receipts	$1,089,300 99
Add amount of discount allowed on 1888 water rents	32,954 67
Gross receipts	$1,122,255 66

The disbursements for the year were as follows:

Paid	Plumbing Department	$17,610 99
"	Repairs	11,234 90
"	Lake Roland	2,687 60
"	Salaries	32,142 69
"	Pump-house	16,928 83
"	Temporary supply	686 88
"	Water meters—expenses	3,410 38
"	Current expenses	4,094 07
"	Druid Lake	2,689 79
"	Printing and Stationery	1,336 59
"	High Service Reservoir	187 25
"	Hampden Reservoir	1,083 07
"	Mount Royal Reservoir	836 93
"	Loch Raven	5,792 28
"	Lake Montebello	4,680 39
"	Water-course	1,134 96
"	Jones' Falls conduit	120 00
	Working expenses	$106,657 60
Paid	Distributing mains	84,942 23
"	Real estate and water rights	17 31
"	Tools and fixtures	939 82
"	Water meters	3,500 08
"	Fire plugs, pumps and fountains	8,656 95
"	Returned money	1,529 93
"	Interest on water stock	480,630 00
"	Mayor and City Council loan	100,000 00
"	Lake Clifton and mains	177,890 43
"	Guilford Reservoir	37,125 67
"	Temporary supply main	1,602 34
"	Eastern Pumping Station	23,778 75
		$1,027,271 11

The following statements exhibit in detail the financial transactions of the Department for the year 1888, by which it will be seen that the net receipts for the year are $6,526.63 less than the previous year of 1887, this however was mainly produced by the reduction of meter rates, commencing April 1st, 1888, of twenty-five per cent., amounting in the aggregate for the nine months of about $20,000.

Statement A, Water Registrar's cash account.
" B, Water Registrar's disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.
" E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balance remaining on the books of the Department December 31, 1888.
" L, revenue.

Most respectfully submitted,

E. SHRIVER,
Water Registrar.

STATEMENTS.

STATEMENT A.

Water Registrar's Cash Account for the Year 1888.

	Dr.	Cr.
To balance on hand December 31st, 1887	$ 2,474 64	
To water rents, 1888 $396,734 32		
Less discount. 32,954 67	363,779 65	
To Water rents, 1887	118,301 84	
" Water rents, 1886	6,070 40	
" Water rents, 1885	1,681 00	
" Meter rents	108,364 90	
" Plumbing bills	31,556 06	
" Interest	2,395 29	
" Distributing mains	787 02	
" Lake Roland	1,231 51	
" Loch Raven	218 46	
" Lake Montebello	142 78	
" Hampden Reservoir	33 00	
" Jones' Falls conduit	59 00	
" Lake Clifton	744 06	
" Mt. Royal Reservoir	15 00	
" High Service Reservoir	6 50	
" Druid Lake	11 00	
Am't carried forward.	$637,872 11	

STATEMENT A—Continued.

	Dr.	Cr.
Am'ts brought forward.	$637,872 11	$
To Appropriation of Mayor and City Council.....	5,000 00	
To Water tax.....	48,903 52	
To Water stock, 1926 (from which $160,000 was transferred to revenue, being part of the advance from revenue to construction of Lake Clifton).....	400,000 00	
By deposit with City Register, January.....		$ 103,378 61
" deposit with City Register, February.....		222,657 10
" deposit with City Register, March.....		41,570 76
" deposit with City Register, April.....		61,576 50
" deposit with City Register, May.....		442,387 72
" deposit with City Register, June.....		19,845 70
" deposit with City Register, July.....		39,220 03
" deposit with City Register, August.....		15,216 92
Amts carried forward.	$1,091,775 63	$945,853 34

STATEMENT A—Concluded.

	Dr.	Cr.
Am'ts carried forward.	$1,091,775 63	$945,853 34
By deposit with City Register, September....		21,068 33
" deposit with City Register, Ootober.....		39,569 59
" deposit with City Register, November....		9,330 34
" deposit with City Register, December....		24,761 76
" deposit with City Register, water tax....		48,903 52
" balance on hand December 31st, 1888...		2,288 75
	$1,091,775 63	$1,091,775 63

STATEMENT B.

Water Registrar's Disbursement Account for the Year 1888.

	Dr.	Cr.
To Water Board warrants drawn on the City Comptroller, from January 1st to December 31st, 1888..	$1,027,271 11	
By Real estate and water rights		$17 31
" Distributing mains		84,942 23
" Tools and fixtures		939 82
" Water meters		6,910 46
" Lake Roland		2,687 60
" Salaries, Registrar's Department		23,809 51
" Salaries, Engineer's Department		8,333 18
" Plumbing Department		17,610 99
" Pump-house		16,928 83
" Repairs		11,234 90
" Temporary supply		686 88
" Current expenses		4,094 07
" Druid Lake		2,689 79
" Printing and Stationery		1,336 59
Amounts carried forward..	$1,027,271 11	$182,222 16

STATEMENT B—Concluded.

	Dr.	Cr.
Amounts brought forward.	$1,027,271 11	$182,222 16
By High Service Reservoir		187 25
" Hampden Reservoir...		1,083 07
" Mount Royal Reservoir		836 93
" Loch Raven.....		5,792 28
" Lake Montebello.....		4,680 39
" Water courses.....		1,134 96
" Jones' Falls conduit...		120 00
" Pumps and fountains..		2,272 52
" Fire-plugs.....		6,384 43
" Returned money.....		1,529 93
" Mayor and City Council		100,000 00
" Lake Clifton.....		77,770 52
" Lake Clifton distributing mains.....		100,119 91
" Guilford Reservoir....		37,125 67
" Temporary supply mains.....		1,602 34
" Eastern pumping station.....		23,778 75
" Interest on water stock.		480,630 00
	$1,027,271 11	$1,027,271 11

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Real estate and water rights	$ 769,388 17
9	Construction of new work	3,155,437 88
56	Mayor and City Council	63,974 86
112	Gunpowder permanent supply	4,117,914 50
116	Lake Clifton	655,251 05
118	Guilford reservoir	37,125 67
121	Gunpowder real estate and water rights	229,827 21
131	Distributing main	1,980,255 51
138	Lake Clifton distributing main	298,623 58
158	Tools and fixtures	7,125 69
168	Repairs	11,234 90
188	Lake Roland	1,456 09
190	Eastern pumping station	23,778 75
194	Druid Lake	2,678 79
197	High service reservoir	180 75
202	Hampden reservoir	1,050 07
206	Mount Royal reservoir	821 93
216	Temporary supply	686 88
217	Printing and stationery	1,336 59
227	Current expenses	4,094 07
233	Engineer's department	8,333 18
237	Water Meters	28,556 08
241	Fire plugs	2,884 43
243	Registrar's department	23,809 51
247	Returned money	1,529 93
292	Pumps and fountains	772 52
302	Loch Raven	5,573 82
312	Lake Montebello	4,537 61
314	Pump house	16,928 83
318	Temporary supply mains	1,602 34
321	Water courses	1,134 96
326	Jones' Falls conduit	61 00
336	Water Registrar's cash account	2,288 75
345	Discount	32,954 67
		$11,493,210 57

STATEMENT C.

Ledger, December 31st, 1888. CR.

Folio.			
2	City six per cent. water stock	$ 263,000	00
3	City five per cent. water stock	8,737,000	00
3	City four per cent. water stock	500,000	00
3	City four per cent. water stock	400,000	00
4	Profit and loss	945,717	75
304	Plumbing department	13,945	07
392	Interest	2,395	29
485	Meter rents	108,364	90
589	1885 water rents	1,681	00
621	1886 " "	6,070	40
639	1887 " "	118,301	84
660	1888 " "	396,734	32
		$11,493,210	57

STATEMENT D.

DR. *Balance Sheet, General*

Folio		
6	Real estate and water rights.....	$769,388 17
9	Construction of new works.....	3,155,437 88
56	Mayor and City Council.....	73,509 25
112	Gunpowder Permanent Supply.....	4,117,914 50
116	Lake Clifton.....	655,251 05
118	Guilford Reservoir.....	37,125 67
121	Gunpowder real estate and water rights.....	229,827 21
131	Distributing main.....	1,979,815 58
138	Lake Clifton distributing mains....	298,623 58
158	Tools and fixtures.....	6,290 00
190	Eastern Pumping Station.....	23,778 75
237	Water meters.....	21,374 70
318	Temporary supply mains.....	1,602 34
336	Water Registrar's cash account....	2,288 75
		$11,372,227 43

STATEMENT D.

Ledger, *December* 31*st*, 1888. Cr.

Folio.		
2	City Six Per Cent. Water Stock....	$263,000 00
3	City Five Per Cent. Water Stock...	8,737,000 00
3	City Four Per Cent. Water Stock..	500,000 00
3	City Four Per Cent. Water Stock...	400,000 00
4	Profit and Loss.....	1,472,227 43
		$11,372,227 43

STATEMENT E.

Receipts of the Water Department for the Year 1888.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1888	$55,543 12	$229,307 33	$32,191 98	$12,412 25	$ 8,961 41	$ 7,689 81	$ 4,508 99	$ 6,232 50	$ 7,741 66	$ 7,057 59	$ 5,711 80	$19,375 88	$396,734 32
" " 1887	20,830 20	14,425 02	10,117 22	18,931 38	27,793 21	8,348 11	7,565 61	5,455 69	2,607 67	743 76	711 33	772 64	118,301 84
" " 1886	441 75	554 58	260 50	561 66	1,499 92	764 00	718 75	524 50	433 99	92 75	170 00	48 00	6,070 40
" " 1885	53 50	197 50	25 50	141 00	280 75	146 08	262 25	157 50	147 00	62 42	51 50	156 00	1,681 00
Interest on back water rents	23 99	107 37	117 43	333 44	687 03	280 61	306 21	250 01	157 48	43 57	52 03	36 12	2,395 29
Plumbing bills	2,030 42	599 41	1,646 72	2,390 10	2,353 59	2,548 91	3,159 34	2,454 86	4,790 23	3,862 80	2,210 43	3,509 25	31,556 06
Meter rents	29,889 00	221 72	71 14	26,763 95	286 27	47 94	22,856 15	173 75	92 04	27,689 35	79 53	194 06	108,364 90
Distributing mains	6 00	26 11	16 42	150 96	43 32	57 93	12 00	.....	65 97	12 16	78 67	317 48	787 02
Lake Roland	130 85	.....	230 39	155 58	91 34	92 07	.....	28 50	.....	.....	163 15	339 63	1,231 51
Loch Raven	8 30	.....	.....	.....	80 00	28 16	17 00	17 00	17 00	17 00	17 00	17 00	218 46
Lake Montebello	55 00	.....	.....	.....	.....	.....	.....	16 78	.....	.....	71 00	.....	142 78
Hampden Reservoir	.....	8 00	.....	.....	.....	.....	5 00	.....	20 00	.....	.....	.....	33 00
Jones' Falls Conduit	.....	.....	.....	.....	24 00	.....	10 00	15 00	.....	.....	.....	10 00	59 00
Lake Clifton	.....	.....	.....	.....	744 06	.....	.....	.....	.....	.....	.....	.....	744 06
Mount Royal Reservoir	.....	.....	.....	.....	.....	.....	5 00	5 00	.....	.....	2 50	2 50	15 00
High Service Reservoir	.....	.....	.....	.....	.....	.....	6 50	.....	.....	.....	.....	.....	6 50
Druid Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 00	.....	.....	11 00
	$109,012 13	$245,447 04	$44,677 30	$61,840 32	$42,844 90	$20,003 62	$39,432 80	$15,331 09	$16,073 04	$39,592 40	$9,318 94	$24,778 56	$668,352 14
Received appropriation for new fire-plugs and fountains													5,000 00
Received water tax													48,903 52
Received from sale of 1926 4 per cent. Water Stock													400,000 00
Total Receipts													$1,122,255 66

STATEMENT F.

Disbursements of the Water Department for the Year 1888.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Lake Clifton	$ 3,977 11	$22,045 23	$ 3,793 99	$ 4,858 56	$ 4,499 93	$ 3,044 12	$ 4,055 25	$ 7,506 08	$ 5,672 14	$ 5,163 07	$ 5,704 75	$ 7,450 29	$77,770 52
" " distributing mains		337 24	1,547 02	8,953 95	25,526 03	21,173 39	11,380 89	4,655 82	3,121 71	8,041 15	13,520 63	1,862 08	100,119 91
Guilford Reservoir						23,286 97	78 27	681 84	1,892 67	3,335 09	2,336 86	5,513 97	37,125 67
Temporary supply mains										62 78	723 80	815 76	1,602 34
Eastern Pumping Station								23,055 00	723 75				23,778 75
Real estate and water rights				14 10							3 21		17 31
Distributing mains	4,069 64	1,696 69	6,086 33	7,869 96	5,494 22	12,458 84	11,723 33	3,695 93	5,571 50	3,462 95	7,806 51	15,006 33	84,942 23
Tools and fixtures	116 54	225 31	163 82	50 59	13 50	76 79	19 88	92 90	12 85	46 11	42 58	78 95	939 82
Water meters	698 95	443 52	764 09	319 32	277 56	657 15	432 20	1,199 76	613 40	364 36	582 34	557 81	6,910 46
Lake Roland	509 24	113 77	126 86	160 45	194 67	287 13	222 14	212 41	288 20	203 91	202 28	166 54	2,687 60
Salaries—Registrar's Department	1,974 96	2,074 96	1,974 96	1,974 96	1,974 96	2,074 96	1,918 29	1,974 96	1,941 62	1,974 96	1,974 96	1,974 96	23,809 51
Salaries—Engineer's Department	694 43	694 43	694 43	694 44	694 44	694 43	694 43	694 43	694 43	694 43	694 43	694 43	8,333 18
Plumbing department	764 33	700 81	1,049 64	1,077 59	1,080 30	2,633 27	1,031 35	1,585 02	2,406 84	2,075 17	1,674 18	1,532 49	17,610 99
Pump House	792 05	1,002 90	1,201 88	661 04	692 48	698 78	8,246 29	765 40	718 84	673 93	688 17	787 07	16,928 83
Repairs	812 55	1,365 92	908 91	939 22	925 58	744 27	821 47	963 28	1,067 15	1,130 82	803 90	751 83	11,234 90
Temporary supply	112 63	68 25	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	56 00	686 88
Current expenses	431 70	448 63	297 45	513 11	343 41	359 16	200 66	344 43	294 10	276 49	333 50	251 43	4,094 07
Druid Lake	80 00	175 66	158 85	139 49	275 40	329 45	477 21	210 16	262 82	245 83	233 07	101 85	2,689 79
Printing and stationery	176 55	193 61	29 23	34 80	105 47	49 93	195 88	35 53	34 62	34 55	218 37	228 05	1,336 59
High-Service Reservoir	10 00	10 00	10 00	25 00	10 00	10 00	19 00	28 75	20 50	20 00	14 00	10 00	187 25
Hampden Reservoir	21 51	12 51	216 51	52 41	87 78	220 39	55 91	105 76	77 31	42 51	137 96	52 51	1,083 07
Mount Royal Reservoir	45 41	45 41	67 71	88 93	60 47	171 26	81 41	81 06	45 41	45 41	59 04	45 41	836 93
Loch Raven	416 04	207 97	152 07	212 98	675 29	566 94	625 04	547 62	937 76	616 05	667 46	167 06	5,792 28
Lake Montebello	439 28	447 38	307 95	356 26	532 22	570 52	427 74	340 82	463 27	297 72	324 93	172 30	4,680 39
Water courses	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	1,134 96
Jones' Falls conduit	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	120 00
Pumps and fountains	217 76	143 68	179 71	153 10	138 92	186 43	346 10	291 93	165 72	146 62	207 83	94 72	2,272 52
Fire-plugs	514 82	1,608 09	1,031 83	544 28	395 86	300 75	110 68	81 97	171 66	498 82	474 01	651 66	6,384 43
Returned money	100 85	163 70	82 43	371 34	72 72	238 23	100 58	194 91	53 69	75 55	52 51	23 42	1,529 93
Mayor and City Council		100,000 00											100,000 00
	$17,080 93	$134,330 25	$21,000 25	$30,220 46	$44,225 79	$70,987 74	$43,418 58	$49,500 35	$27,406 54	$29,682 86	$39,635 86	$39,151 50	$516,641 11

Paid twelve months' interest on $9 500,000.00 water stock	472,630 00
Paid six months' interest on $400,000.00 water stock	8,000 00
Total Disbursements	$1,027,271 11

STATEMENT G.

New Supplies for the Year 1888.

858	houses	@	$ 3 00	$2,574 00	
70	"	@	5 00	350 00	
969	"	@	6 00	5,814 00	
71	"	@	7 50	532 50	
541	"	@	9 00	4,869 00	
99	"	@	12 00	1,188 00	
31	"	@	14 00	434 00	
2639					$15,761 50
11	warehouses	@	6 00	66 00	
6	"	@	8 00	48 00	
18	"	@	10 00	180 00	
2674					294 00
					$16,055 50
85	baths	@	2 00	170 00	
65	water-closets	@	2 00	130 00	
237	hose	@	3 00	711 00	
95	horses	@	1 50	142 50	
37	carriages	@	1 50	55 50	
16	cellar drainers	@	3 00	48 00	
29	cows	@	1 00	29 00	
19	offices	@	6 00	114 00	
	Amount carried forward			$1,400 00	$16,055 50

STATEMENT G—Continued.

Amount brought forward.....			$1,400 00	$16,055 50
28 bars.....	@	$ 5 00..	140 00	
7 bars.....	@	3 00..	21 00	
14 churches.....	@	10 00..	140 00	
2 troughs.....	@	20 00..	40 00	
1 butchery.....	@	15 00..	15 00	
1 butchery.....	@	5 00..	5 00	
3 forges.....	@	2 50..	7 50	
1 laundry.....	@	5 00..	5 00	
1 bakery.....	@	3 00..	3 00	
1 soap factory...	@	5 00..	5 00	
1 beef extract....	@	20 00..	20 00	
10 motors.....	@	25 00..	250 00	
2 motors.....	@	50 00..	100 00	
1 motor.....	@	100 00..	100 00	
1 special.....	@	20 00..	20 00	
1 "	@	100 00..	100 00	
4 "	@	3 00..	12 00	
1 "	@	25 00..	25 00	
1 "	@	9 00..	9 00	
1 bottling estab.	@	10 00..	10 00	
1 photographer..	@	10 00..	10 00	
1 barber.....	@	3 00..	3 00	
1 drugs.....	@	3 00..	3 00	
1 oyster establ'ht	@	10 00..	10 00	
2 oyster establ'ht	@	20 00..	40 00	
Amounts carried forward....			$2,493 50	$16,055 50

STATEMENT G—Concluded.

Amounts brought forward....			$2,493 50	$16,055 50	
		PER H.P.			
1 oyster establ'ht	@	5 00..	5 00		
1 13 H. P. boiler..	@	5 00..	65 00		
1 27 " " ..	@	5 00..	135 00		
3 10 " " ..	@	5 00..	150 00		
1 11 " " ..	@	5 00..	55 00		
1 12 " " ..	@	5 00..	60 00		
1 3 " " ..	@	5 00..	15 00		
1 7 " " ..	@	5 00..	30 00		
				$ 3,008 50	
Annual revenue.....				$19,064 00	

STATEMENT H.

Abatements Condensed for the Year 1888.

	1885.		1886.		1887.		1888.	
Vacancies	26	$302 08	69	$921 25	276	$2,798 50	263	$1,881 39
Duplicates and torn down.	65	562 00	82	733 58	162	1,595 19	221	2,859 90
Baths	....	.....	....	.....	....	.....	1	2 00
Hose	1	3 00	3	9 00	22	61 50	131	392 00
Horses	5	7 50	6	9 00	30	43 87	136	203 62
Carriages	3	4 50	3	4 50	11	16 50	52	78 00
Specials	1	3 00	4	36 00	21	226 84	82	1,266 18
Bars	....	.....	....	.....	10	38 00	79	287 95
Rents reduced	6	21 50	11	37 00	30	125 00	64	301 00
		$903 58		$1,750 33		$4,905 40		$7,272 04

Total amount of abatements for the year ..... $14,831 35.

STATEMENT I.

Comparative Statement of Receipts for the Years 1886, 1887 *and* 1888.

1886.		1887.		1888.	
1886 water rents	$375,889 38	1887 Water rents	$387,757 02	1888 water rents	$396,734 32
1885 " "	113,663 04	1886 " "	117,732 40	1887 " "	118,301 84
1884 " "	6,203 26	1885 " "	6,972 39	1886 " "	6,070 40
1883 " "	2,766 68	1884 " "	2,267 25	1885 " "	1,681 00
Meter rents	95,485 57	Meter rents	108,348 94	Meter rents	108,364 90
	$594,007 93		$623,078 00		$631,152 46
Less discount on 1886 water rents	30,571 03	Less discount on 1887 water rents	32,020 66	Less discount on 1888 water rents	32,954 67
	$563,436 90		$591,057 34		$598,197 79
Plumbing bills	31,186 28	Plumbing bills	39,247 79	Plumbing bills	31,556 06
Interest on back water rents	2,101 50	Interest on back water rents	2,247 08	Interest on back water rents	2,395 29
Distributing mains	559 15	Distributing mains	861 90	Distributing mains	787 02
Gunpowder real estate and water rights	225 00	Gunpowder real estate and water rights	6,492 66	Lake Montebello	142 78
Lake Roland	783 75	Lake Roland	1,031 38	Lake Roland	1,231 51
Loch Raven	121 60	Loch Raven	167 27	Loch Raven	218 46
Pump-house	5 25	Pump-house	16 75	Hampden Reservoir	33 00
Hampden Reservoir	78 80	Druid Lake	38 00	Jones' Falls conduit	59 00
Mount Royal Reservoir	15 00	Lake Montebello	321 00	Mount Royal Reservoir	15 00
High Service Reservoir	19 00	Mount Royal Reservoir	16 00	High Service Reservoir	6 50
Profit and loss (conscience money)	40 00	Hampden Reservoir	72 25	Druid Lake	11 00
Druid Lake	45 00	High Service Reservoir	19 00		
Lake Montebello	86 00	Profit and loss (conscience money)	40 00		
Real estate and water rights	500 00	Jones' Falls conduit	50 68		
Jones' Falls conduit	10 00	Mayor and City Council loan	100,000 00		
	$599,213 23		$741,679 10		$634,653 41
Lake Clifton	3,064 96	Lake Clifton	245 00	Lake Clifton	744 06
Appropriation for new fire plugs and fountains	4,000 00	Appropriation for new fire plugs and fountains	4,000 00	Appropriation for new fire plugs and fountains	5,000 00
Appropriations for laying main on Hollins street	300 00	Water tax	50,421 20	Water stock—1926	400,000 00
Water tax	49,789 23			Water tax	48,903 52
	$656,367 42		$796,345 30		$1,089,300 99

STATEMENT K.

Balances Remaining on the Ledgers of the Water Department December 31, 1888.

1888 water rents	$144,775 87
1887 " "	16,665 32
1886 " "	7,689 93
Plumbing bills	4,026 00
Meter rents	1,287 94
	$174,445 06

STATEMENT L.

Estimated Revenue, per 1889 *Ledgers, January* 1, 1889.

19,600	houses	@	$3 00	$58,800 00	
9,525	"	@	5 00	47,625 00	
12,079	"	@	6 00	72,474 00	
8,030	"	@	7 00	56,210 00	
6,054	"	@	8 00	48,432 00	
3,380	"	@	9 00	30,420 00	
2,798	"	@	10 00	27,980 00	
1,239	"	@	11 00	13,629 00	
3,607	"	@	12 00	43,284 00	
2,602	"	@	13 00	33,826 00	
					$432,680 00
68,914					
144	warehouses	@	6 00	864 00	
402	"	@	8 00	3,216 00	
1,006	"	@	10 00	10,060 00	
					$14,140 00
70,466					
					$446,820 00
5,641	hose	@	3 00	16,923 00	
2,344	horses	@	1 50	3,516 00	
1,336	carriages	@	1 50	2,004 00	
183	churches	@	5 00	915 00	
2,751	H. P. boilers	@	3 00	8,253 00	
922	bars	@	3 00	2,766 00	
879	bars	@	5 00	4,395 00	
158	offices	@	4 00	632 00	
					$39,404 00
					$486,224 00
Specials embracing, rents, motors, &c., &c					22,180 50
					$508,404 50
Meters and indicators					90,000 00
					$598,404 50

Chief Engineer's Report.

REPORT.

OFFICE OF THE CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 2d, 1889.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

I respectfully beg leave to submit my report of the Engineer Department for the year ending December 31, 1888.

There were fitted up by the mechanical department 105 fire-plugs, 840 stop-cocks, of sizes from 2 to 20 inches, and 12 round fountains.

There were laid in the following localities additional mains, as authorized by Ordinance No. 82, approved June 3, 1886, viz:

A twenty inch—From Park avenue and Dolphin street; thence along Dolphin to Harlem avenue, to Arlington avenue, to Saratoga, to Mount, to McHenry, to Bentalou street. Length, 14,944 feet; cost, $59,566.62, or $3.98 per foot.

A twenty inch—From Chase, near Gay street; thence along Chase to Wolfe, to Monument street. Length, 3,173⅓ feet; cost, $11,961.45, or $3.77 per foot.

A twenty inch—Chase street, between Charles and St. Paul streets. Length, 419⅓ feet; cost, $1,968.70, or $4.69 per foot.

A twelve inch—From McHenry and Bentalou streets; thence along Bentalou to Frederick road, to Garrison lane, to Baltimore street, to Calverton road, to Frederick road, to Pulaski street, to McHenry street. Length, 7,375⅚ feet; cost, $13,744.05, or $1.86 per foot.

A ten inch—From Pennsylvania avenue and Baker street; thence along Baker to Calhoun, to Stricker, to Harlem avenue, to Mount, to Franklin street, from Harlem avenue to Stricker street; thence along Harlem avenue to Carrollton avenue, to Mosher street, from Mosher and Stricker streets; thence along Mosher to Pennsylvania avenue. Length, 11,419 feet; cost, $16,658.34, or $1.46 per foot.

A twelve and a ten inch—A twelve-inch from North avenue and Maryland avenue; thence along Maryland avenue, to First, to Oak, to Fifth, to Calvert, to Fourth, to Barclay, to First, to alongside of Blind Asylum, to North avenue, to Barclay street. Length, 7,135½ feet.

A ten inch on Third street, between Oak and Barclay streets. Length, 2,468⅔ feet. Aggregate cost, $17,038.81.

Total length of additional mains laid $8\frac{4696}{5280}$, miles, and cost of same, $120,927.97.

There were laid 16,512 feet 3 inches of $1\frac{1}{2}$ inch pipe for plumbing supplies, and $115{,}165\frac{10}{12}$ feet of pipe mains for distribution and additional supply, as follows:

19	feet	of	$1\frac{1}{2}$ inch.
1,401	"	2	"
21,098	"	3	"
24,303	" 4 inches	4	"
11,153	" 10 "	6	"
2,212	"	8	"
22,089	"	10	"
14,695	"	12	"
18,194	" $8\frac{1}{2}$ inches	20	"

$115{,}165\frac{10}{12}$, or $21\frac{4285}{5280}$ miles.

The new building supplies in 1888 were 2,674, from which an annual revenue of $19,064.00 will be derived.

There were 384 leaks on main pipes, of sizes from 2 to 40 inches, and 127 stop-cocks of sizes from 2 to 30 inches inspected and repaired.

There were 131 new fire-plugs erected, of which 108 were located upon new and 23 upon old sites, viz:

ON NEW SITES.

N. E. corner Charles and Winder.
South side German, between Light and Charles.
East side Light, between Wells and Winder.

S. W. corner Light and Winder.
South side Winder, between Light and Byrd.
N. E. corner Johnson and Warren avenue.
N. E. corner Wolfe and Gough.
N. E. corner Washington and McElderry.
S. E. corner Calvert and Lombard.
N. E. corner Lombard and Ann.
N. W. corner Caroline and Lancaster.
N. W. corner Canton avenue and Cannon.
East side St. Paul, between Townsend and North avenue.
N. E. corner Portland and Greene.
N. W. corner Greene and King.
N. W. corner Greene and Dover.
N. W. corner Lombard and Charles.
S. W. corner Stricker and Winchester.
North side Pratt, opposite Calhoun alley.
N. E. corner Pratt and Charles.
Garrison lane and Hollins.
East side Charles, between Pratt and Camden.
N. E. corner Hanover and Pratt.
North side Hoffman, between York avenue and McKim.
N. E. corner Pratt and Sharp.
N. W. corner Ridgely and West.
West side Ridgely, between Ostend and Stockholm.
S. E. corner Charles and Lee.
North side Chew, between Aisquith and Stirling.
N. W. corner Gilmor and Mosher.
N. E. corner Chew and Stirling.
N. W. corner Charles and Centre.
N. W. corner Barnet and Charles.

N. W. corner Eutaw place and Retreat street.
North side Hollins, between Monroe and Payson.
N. W. corner Monument and Wolfe.
S. W. corner Broadway and Lanvale.
N. W. corner Calvert and Federal.
N. E. corner Sharp and Pratt.
S. W. corner Wayne and Warner.
N. W. corner Calhoun and Baker.
S. E. corner Stricker and Tenant.
S. E. corner Harlem avenue and Stricker.
N. W. corner Edmondson avenue and Mount.
N. W. corner Calhoun and Harlem avenue.
N. W. corner Mosher and Carey.
N. W. corner Mosher and Arlington avenue.
Edmonson avenue near Carrollton avenue.
S. E. corner Carrollton avenue and Townsend.
N. W. corner Fulton and Dover.
Park avenue and Camel alley.
N. E. corner Park avenue and Mosher.
S. W. corner Dolphin and Park avenue.
N. W. corner Dolphin and Etting.
N. E. corner Dolphin and Wilmer alley.
S. W. corner Arlington avenue and Pierce.
S. E. corner Saratoga and Carlton.
North side Saratoga, between Carey and Stockton alley.
N. W. corner Dolphin and Argyle avenue.
N. E. corner Harlem avenue and Fremont.
South side Dolphin, between Eutaw and Jordan alley.
S. W. corner Sharp and Lombard.
N. W. corner Aiken and Lanvale.
N. W. corner Saratoga and Parrish alley.

N. E. corner Saratoga and Mount.
S. E. corner Lombard and Mount.
S. E. corner Hollins and Mount.
S. W. corner Haubert and Marriott.
N. W. corner Haubert and Beason.
N. E. corner McHenry and Bruce alley.
S. W. corner McHenry and Pulaski.
N. W. corner McHenry and Monroe.
North side Ramsey, between Smallwood and Forrest.
N. W. corner Frederick road and Wilkens street.
Corner Stinson's lane, and alley rear north side Frederick road.
West side Garrison lane, between McHenry and Lombard.
N. W. corner Calverton road and Prince.
S. W. corner Oak and First.
N. E. corner Fifth and Oak.
N. W. corner Fifth and St. Paul.
N. E. corner Fifth and Charles.
S. W. corner Fourth and Oak.
N. W. corner Fourth and Calvert.
N. E. corner Third and Charles.
N. W. corner Third and Calvert.
N. W. corner Third and St. Paul.
N. W. corner Fourth and Barclay.
N. W. corner Third and North.
N. W. corner Second aud Barclay.
N. E. corner North avenue and Barclay.
North side North avenue, between Ann and Wolfe.
S. E. corner North avenue and Duncan alley.
N. E. corner Baltimore street and Calverton road.

N. E. corner Frederick avenue and Bentalou.
North side Frederick road, near west side Garrison lane.
N. E. corner Garrison lane and Lombard.
N. E. corner Garrison lane and Baltimore.
N. E. corner Frederick avenue and Pulaski.
N. W. corner Eutaw and Camden.
East side Paca, between Fayette and Garrett alley.
S. E. corner Pratt and Schroeder.
N. E. corner Fremont and Baltimore.
N. W. corner West and Howard.
N. W. corner German and Hanover.
Hampden avenue, between Third and Fourth.
S. E. corner Baltimore and Holliday.
N. W. corner Stricker and Lanvale.
West side Paca, between Druid Hill avenue and New.

ON OLD SITES.

S. W. corner Fayette and Calvert.
S. W. corner Bond and Chew.
S. E. corner Monument and Bond.
N. W. corner North and Lexington.
S. E. corner Hanover and German.
S. W. corner Franklin and Calvert.
S. W. corner Mulberry and Calvert.
S. W. corner Pleasant and Calvert.
Cathedral and Tyson alley.
N. W. corner Eutaw and Druid Hill avenue.
Gay and Aisquith.
N. W. corner Cathedral street and Cathedral alley.

S. E. corner Calvert and Baltimore (new 5 inch).
N. W. corner Calvert and Lombard "
N. W. corner Light and Lombard "
S. E. corner Lombard and Commerce "
S. E. corner Camden and Howard "
N. E. corner Camden and Hanover "
Hanover and Unler's alley "
Howard and Lombard "
N. W. corner Lombard and South "
S. E. corner Camden and Sharp "
S. E. corner Second and South.

The total number of fire-plugs in the city is 1,169.

There were 16 pumps repaired, 40 removed and 5 wells filled up.

There were 11 fountains erected at the following places, viz:

N. W. corner Mulberry and Myrtle avenue.
N. W. corner Bond and Lancaster.
S. W. corner Luzerne and Lancaster.
N. E. corner Hudson and Boston.
S. W. corner Winchester and Whatcoat.
—— Richmond and Howard.
N. E corner Preston and Jordan alley.
N. W. corner Franklin and Tyson.
N. E. corner Randall and Light.
S. E. corner Hamburg and Sterrett alley.
S. W. corner French and High.
York avenue and Federal (removed from Ensor and Chase).

There are in the city 114 public fountains for the use of man and beast, and 23 for mankind only.

The registered consumption of water by meters and indicators was as follows:

	Gallons.
Elevators by meters	88,279,708
Elevators by indicators	425,461,932
Railroads by meters	244,684,264
Miscellaneous by meters	402,111,824
Steamboat companies by meters	38,263,940
Pork packers and butchers	66,308,800
Livery stables	17,534,616
Beer breweries	256,953,708
Whiskey distilleries	29,897,560
Brick yards	5,844,124
Coal oil refineries	10,500,424
Drove yards	8,712,936
Oyster and fruit packers	73,614,420
Hotels	53,144,472
Planing mills	44,309,276
Total	1,765,622,004

Being an increase of 283,859,457 gallons over the year 1887.

The number and sizes of meters and the number of indicators placed in operation, are as follows:

Meters	25	¾-inch.
	10	1 "
	5	1½ "
	10	2 "
	20	3 "
	1	4 "
	71	
Indicators	39	
Total	110	

The number and sizes of meters and the number of indicators in use, are:

Meters	291	¾-inch.
	182	1 "
	93	1½ "
	95	2 "
	125	3 "
	5	4 "
	791	
Indicators	330	
Total	1,121	

There were 8 meters withdrawn and indicators substituted.

The high-service pumps were worked 6,933 hours; there were 1,029,884,952 gallons of water pumped into

the reservoir, an increase of 4,891,147 gallons over the year 1887, and $1,752\frac{1400}{2240}$ tons of coal, and 14 cords of wood were consumed.

The amount expended in pumping water was $16,928.83, or at the rate of $1\frac{644}{1000}$ cents per 1,000 gallons.

The fountain in the upper part of Druid Lake was in operation 179 hours.

The flow of water of the Jones' Falls supply was slightly in excess of 1887. There were 36 days when the water in Lake Roland was below the crest of the dam, and only a few days when it was too muddy for use.

The wasting of water from the bottom of Druid Lake is still attended with satisfactory results, and the water in this lake has been good and clear.

The water in the high-service reservoir was drawn out in June, for a period of ten days, to again permit the embankments to settle.

The Gunpowder supply was muddy 106 days, and the flow of water over Loch Raven dam varied in height from $1\frac{1}{2}$ to 40 inches.

The greatest daily flow of clear water of the stream was 170,000,000 gallons in March, and the least was 49,000,000 gallons in August.

There were 507 pipes of the 36-inch temporary supply main taken out from October to December 31.

The amount of water supplied by Lake Montebello has increased, the greatest daily quantity was 25,000,000 gallons in August, and the least was 19,000,000 in March.

Water was let into Lake Clifton on December 27th, and it now becomes an additional storage lake of the Gunpowder supply.

The tributaries of the Gunpowder and Jones' Fall were daily inspected as in past years.

There was purchased June 5th, 12 acres, 3 roods and 29 perches of land of the Guilford estate from the heirs of the late A. S. Abell, upon which to build an Eastern High Service reservoir, named Guilford reservoir. The contract for the construction of this reservoir was made July 30th with Jones & Thorne, and work was commenced the following day.

The site for the Eastern High Service Pumping Station and a yard for the storage of pipes, has been located on land within the city limits, purchased August 6th, from George S. Brown, and bounded by Gay, Wolfe, Oliver, Ann and Hoffman streets, and the eastern limits of the Union R. R. Co., between Broadway and Gay street.

It is with pleasure I refer to the efficiency of the officers and employees of this department in the performance of their various duties.

Respectfully submitted,

ROBERT K. MARTIN,

Chief Engineer.

From.	Amount turned over to Water Registrar.							Amount of bills delivered to Water Registrar for work done, etc.					Total.
	Hay.	Straw.	Fodder.	Ice.	Cow pasture.	Sand.	Rent.	Old scrap iron and brass.	Old gum.	Lead dross.	For service pipes laid in city.	For mains laid in county.	
Lake Roland	$919 87	$4 50	23 63	$14 67	.....	$2 50	.....	.....	.....	.....	.....	.....	$965 17
Jones' Falls conduit	49 00	.....	.....	.....	$10 00	.....	.....	.....	.....	.....	.....	.....	59 00
Loch Raven	75 00	33 16	.....	.....	.....	.....	$102 00	.....	.....	.....	.....	.....	210 16
Mount Royal Reservoir	12 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 50
Lake Montebello	90 28	55 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145 28
Druid Lake	11 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 00
Hampden Reservoir	33 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33 00
High-Service Reservoir	6 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 50
Distributing main	.....	.....	.....	.....	.....	.....	.....	$538 00	$ 76	$69 20	.....	.....	607 96
Plumbing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$29,558 02	$439 93	29,997 95
	$1,197 15	$93 66	$23 63	$14 67	$10 00	$2 50	$102 00	$538 00	$ 76	$69 20	$29,558 02	$439 93	$32,048 52

SUMMARY OF WORK DONE IN THE DEPARTMENT SHOP FOR 1888.

9 20-inch stops.
12 12 " "
50 10 " "
12 8 " "
137 6 " "
371 4 " "
36 4 " " partly finished in 1887.
1 4-inch old stop reconstructed.
161 3-inch stops.
51 2 " "
12 round fountains.
80 4-inch fire plugs.
14 5 " "
11 5 " " partly completed in 1887.
700 1½-inch caps.
500 ½ " bushings.
48 ferrule clamps.
48 brass thimbles.
72 brass chuts.
3 16x4 clamps.
6 12x4 " "
15 12x3 " "
6 12x2 " "
18 10x4 " "
12 10x3 " "
12 10x2 " "

24 6x3 clamps.
36 6x2 "
12 3-inch meter strainers.
48 ¾ " meter spuds.
24 1 " " "
24 1½ " " "
24 2 " " "
36 brass bolts and nuts for meters.
12 brass plug seats.
Repair work on plugs.
Repair work for pump house.
Gun metal pinion Druid Lake stop house.
Hydrostatic lift for fountain stop, Druid Lake.
4 wheels for pump house.
2 brass swivels for Lake Clifton gate house.

INVENTORY 1888.

Distributing main and pipe fittings	$32,274 63
Tools and fixtures	6,290 00
Plumbing department	1,887 25
Meters	977 07
Plugs	988 97
Fountains	527 25
	$42,945 17

TABULAR STATEMENT.

Size and Number of Feet of Pipe, Stop-Cocks and Branches Laid in the City.

	1½ in.	2 in.	3 in.	4 in.	4½ in.	6 in.	8 in	10 in.	12 in.	16 in.	18 in.	20 in.	30 in.	Total of Pipe.
No. of feet of pipe laid previous to purchase by Water Company	.....	13,203	95,411	31,876	72,641	60,704	10,040	14,430	12,209	26,168	4,627	8,588	14,203	363,820
Laid by water Commissioners from July 1, 1855 to December, 1857	.....	1,909	14,720	28,362	.....	5,005	613	448	.....	.....	.....	9,716	.....	60,773
By Water Board, 1858	.....	2,948	24,438	23,742	.....	8,692	144	.....	.....	.....	.....	.....	.....	59,964
" " 1859	.....	638	22,972	40,367	.....	14,503	.....	6,300	108	.....	.....	.....	.....	84,888
" " 1860	.....	.....	20,488	35,106	.....	22,134	.....	7,910	.....	.....	.....	14,889	1,428	101,955
" " 1861	.....	276	8,317	15,432	.....	8,722	.....	5,017	.....	.....	.....	1,080	8,292	47,136
" " 1862	.....	1,140	11,065	6,562	.....	560	.....	.....	.....	490	.....	6,599	51	26,467
" " 1863	.....	2,729	12,223	5,696	.....	3,744	.....	4,560	.....	720	1,170	1,314	.....	32,156
" " 1864	1,784	314	20,899	8,362	.....	6,981	.....	13,476	405	1,962	783	1,395	.....	56,361
" " 1865	7,929	796	16,930	11,729	.....	3,204	.....	.....	.....	.....	.....	.....	.....	40,588
" " 1866	2,903	4,413	15,813	10,864	.....	13,048	.....	.....	.....	.....	.....	.....	.....	47,041
" " 1867	1,145	14,252	17,349	8,808	.....	6,491½	.....	9,372	.....	.....	.....	.....	.....	57,417½
" " 1868	1,642	4,475½	20,466½	14,759½	.....	2,012½	.....	.....	.....	.....	.....	.....	.....	43,356
" " 1869	192	4,765	16,595	9,457½	.....	4,037½	.....	.....	.....	.....	.....	.....	.....	35,047
" " 1870	.....	8,502	11,372	10,886	.....	600	.....	.....	.....	.....	.....	.....	.....	31,360
From Jan. 1 to Oct. 31, 1871	.....	6,895	11,863	13,205	.....	8,452	.....	.....	.....	.....	.....	.....	.....	40,415
From Oct. 31, 1871, to Oct. 31, 1872	78	6,871½	13,660½	12,479	.....	3,425	.....	.....	.....	.....	.....	.....	.....	36,514

From Oct. 31, 1872, to Oct. 31, 1873....	.....	4,551	10,677½	8,032½	.....	5,405	.....	2,150	.....	3,400	.....	.....	... .	34,216
From Oct. 31, 1873, to Oct. 31, 1874....	36	4,402	8,169	10,525	.....	10,959	5,795	8,537⅛	.....	.....	.....	.....	.....	48,423⅛
From Oct. 31, 1874, to Oct. 31, 1875....	.....	3,542	7,544½	8,837½	.....	11,750	.....	4,362½	.....	.....	.....	11,160	8,959½	56,156
From Oct. 31, 1875, to Oct. 31, 1876....	.....	1,982½	7,053½	15,383	.....	1,050	.....	3,212½	.....	5,175	.....	202½	7,215½	41,274½
From Oct. 31, 1876, to Oct. 31, 1877....	.....	1,289	17,246½	15,571⅓	.....	7,462½	.....	75	137½	.....	.....	.....	... ...	41,782
By Water Board, 1878	175	1,603	7,567	11,579½	.....	3,000	.....	4,800	.....	837½	.....	425	3,312⅓	33,299⅙
" " 1879	.....	1,603	4,490	10,876	.....	3,160	.....	2,038½	.....	.....	.....	2,975	.....	25,142½
" " 1880	.....	1,882	5,057½	7,777⅜	.....	5,459¼	.....	1,398	.....	.....	.....	.....	.....	21,574⅙
" " 1881	.....	933	9,034⅜	12,290⅓	.....	6,421⅜	1,717	3,169¼	.....	.....	.....	.....	.....	33,566¼
" " 1882	.....	1,058	8,423⅜	14,788	.....	4,522⅜	.....	4,964½	.....	.....	.....	.....	.....	33,756$\frac{10}{12}$
" " 1883	.....	1,269⅜	12,259	18,270$\frac{10}{12}$	.....	13,295⅜	4,624⅜	5.026	.....	.....	.....	15,817$\frac{11}{12}$	2,960$\frac{5}{12}$	73,524$\frac{2}{12}$
" " 1884	.....	947	15,990⅛	25,302	.....	11,100	530⅓	6,665⅛	.....	.....	.....	.....	.....	60,535
" " 1885	27	651⅓	16,464$\frac{1}{12}$	27,884$\frac{10}{12}$	.....	9,520⅔	2,197⅛	4,655⅜	.....	.....	.....	.....	.....	59,401$\frac{2}{12}$
" " 1886	140	351	20,815$\frac{5}{6}$	29,582$\frac{5}{6}$	210	6,824	187⅜	4,196⅜	.....	.....	.....	.....	.....	60,108
" " 1987	189	1,083⅓	16,998$\frac{5}{6}$	24,426⅛	.....	11.093⅛	3,784	19,751$\frac{5}{6}$	6,614	.....	.....	13,074$\frac{1}{12}$	.....	101,514$\frac{11}{12}$
" " 1888	19	1,401	21,098	24,303⅛	.....	11,153$\frac{5}{6}$	2,212	22,089	14,695	.....	.....	18,194⅜	.....	115,165$\frac{10}{12}$
	16,259	102,676⅙	543,472$\frac{1}{12}$	554.124$\frac{5}{12}$	72,671	294,293⅙	31,845	158,505¼	33,668½	38.752½	6,580	105.430⅙	46,421$\frac{11}{12}$	2,004.699$\frac{2}{12}$

TABULAR STATEMENT—Continued.

	1½ inch.	2 inch.	3 inch.	4 inch.	4½ inch.	6 inch.	8 inch.	10 inch.	12 inch.	16 inch.	18 inch.	20 inch.	30 inch.	Stops.
Stop-cocks by Water Company	....	12	61	94	....	55	9	8	8	9	4	8	2	270
" " Commissioners	....	9	8	8	....	2	....	....	....	....	....	2	....	29
By Water Board, 1858	....	17	23	14	....	3	1	....	1	16	....	1	....	76
" " 1859	....	15	30	54	....	16	....	7	....	....	....	....	....	122
" " 1860	....	....	18	55	....	36	....	9	....	....	....	4	1	123
" " 1861	....	7	7	24	....	8	....	3	....	....	....	....	5	54
" " 1862	....	21	19	31	....	19	....	1	....	1	....	4	....	96
" " 1863	....	8	20	28	....	2	....	2	....	....	....	1	....	61
" " 1864	....	12	18	15	....	4	....	5	....	....	....	1	....	55
" " 1865	....	24	13	6	....	2	....	....	....	....	....	....	....	45
" " 1866	....	22	24	20	....	4	....	....	....	....	....	....	....	70
" " 1867	....	46	22	5	....	5	....	3	....	....	....	....	....	81
" " 1868	....	7	24	19	....	3	....	....	....	....	....	....	....	53
" " 1869	....	....	7	18	....	3	....	....	....	....	....	....	....	28
" " 1870	....	....	4	7	....	....	....	....	....	....	....	....	....	11
January 1 to October 31, 1871	....	5	11	25	....	5	....	....	....	....	....	....	....	46
October 31, 1871, to October 31, 1872	....	10	20	23	....	3	....	....	....	....	....	....	....	56
" 1872, " 1873	....	7	14	25	....	12	....	2	....	2	....	....	....	62
" 1873, " 1874	....	4	14	52	....	9	6	6	....	....	....	....	....	91
" 1874, " 1875	....	3	5	31	....	10	....	6	....	1	....	6	2	64
" 1875, " 1876	....	1	25	66	....	52	2	....	....	1	....	1	2	150
" 1876, " 1877	....	5	69	50	....	13	....	2	....	....	....	....	....	139

By Water Board,	1878	....	7	29	22	....	2	....	6	....	4	....	2	1	73
" "	1879	...	4	15	37	....	6	....	2	....	....	....	....	....	64
" "	1880	....	3	9	24	....	14	....	2	....	....	....	....	2	54
" "	1881	....	4	26	41	....	6	2	2	....	....	....	....	....	81
" "	1882	....	5	27	36	....	19	....	5	....	....	....	....	....	92
" "	1883	....	4	50	91	....	67	5	10	....	3	....	4	1	235
" "	1884	....	9	59	119	....	31	1	5	....	....	....	....	....	224
" "	1885	....	6	38	85	....	23	6	6	....	....	....	....	....	164
" "	1886	....	6	68	103	....	21	2	12	....	....	....	....	....	212
" "	1887	....	42	94	201	...	97	8	27	6	....	....	5	....	480
" "	1888	....	41	123	354	....	132	3	34	12	....	....	6	....	705
		....	36	994	1,783	....	684	45	165	27	37	4	45	16	4,166

TABULAR STATEMENT—Concluded.

	1½ inch.	2 inch.	3 inch.	4 inch.	4½ inch.	6 inch.	8 inch.	10 inch.	12 inch.	16 inch.	18 inch.	20 inch.	30 inch.	Branches.
By Water Board, 1858	....	3	78	98	....	33	2	....	....	1	....	....	....	215
" " 1859	....	....	53	134	....	75	....	32	2	....	....	....	....	296
" " 1860	....	....	68	108	....	149	....	29	....	....	....	52	2	408
" " 1861	....	....	26	50	....	33	....	19	....	....	....	6	34	168
" " 1862	....	5	25	30	....	4	..	1	....	....	....	16	....	81
" " 1863	....	3	29	19	....	9	....	7	....	2	1	5	....	75
" " 1864	3	3	40	21	....	9	1	47	....	5	4	4	....	137
" " 1865	20	....	47	20	....	15	....	....	....	....	....	....	....	102
" " 1866	3	....	30	24	....	16	....	....	....	....	....	....	....	73
" " 1867	1	29	46	26	....	7	....	21	....	....	....	....	....	130
" " 1868	1	6	38	43	....	12	....	....	..	....	....	....	....	100
" " 1869	....	5	54	32	....	6	....	2	....	....	....	....	....	99
" " 1870	....	9	27	39	....	1	....	....	....	....	....	....	....	76
January 1 to October 31, 1871	....	6	22	29	....	32	....	....	....	....	....	....	....	89
October 31, 1871, to October 31, 1872	....	3	35	39	....	10	....	....	....	....	....	....	....	87
" 1872, " 1873	...	3	26	23	....	14	....	7	....	5	....	....	....	78
" 1873, " 1874	....	4	17	53	....	16	22	30	....	1	....	....	....	143
" 1874, " 1875	....	5	14	26	....	5	....	13	....	1	....	29	8	101
" 1875, " 1876	....	4	21	90	....	12	....	14	....	21	....	....	9	171
" 1876, " 1877	....	2	45	45	....	23	1	3	....	....	....	....	....	119

By Water Board, 1878	....	4	20	36	....	8	....	....	....	9	....	3	4	84
" " 1879	....	2	14	41	....	6	....	5	....	....	....	....	....	68
" " 1880	....	....	9	35	....	17	....	11	....	....	....	5	....	77
" " 1881	....	3	20	54	....	11	5	7	....	....	....	....	....	100
" " 1882	....	1	24	74	....	45	....	21	....	....	....	2	....	167
" " 1883	....	3	30	104	....	86	13	15	....	2	....	54	10	317
" " 1884	....	3	40	123	....	53	1	14	....	....	....	....	....	234
" " 1885	....	3	44	98	....	58	7	17	....	....	....	....	1	228
" " 1886	....	1	52	133	3	54	3	46	....	....	....	....	....	292
" " 1887	2	5	64	177	3	76	7	74	20	....	....	57	1	486
" " 1888	2	3	124	253	4	167	14	73	58	....	....	75	2	775
	32	118	1,182	2,077	10	1,062	76	508	80	47	5	308	71	5,576

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1888, *to December* 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear McKim	Preston and Hoffman	1½	3	
		3	185	
Rear Preston	Valley and McKim	3	247⅔	$ 151 71
Calvin Place	Greenmount avenue and McKim.	4	111	78 76
Rear Preston	Broadway and Gay	3	209⅔	90 87
Allison alley	Pratt and the Basin	3	37	
		6	86⅓	
		10	949⅔	1,929 99
German	Light and Charles	6	197⅓	102 25
Landwehr lane	Hollins and Frederick avenue	1½	7	
		3	130	94 74
Lombard	Howard and Eutaw	4	12⅓	
		6	209⅔	135 40
Rear Carroll	Cross and Stockholm	4	222	105 17
Burgundy alley	Stockholm and West	4	296	149 06
Baker	Etting and Division	4	197⅓	
Etting	Baker and Gold	4	160⅓	159 47

Rear Preston	Hunter alley and North	4	98⅔	77 88
Charles	Randall and Winder	6	74	
Winder	Charles and Light	10	2,425	1,481 39
Rear Biddle	Hunter alley and North	4	98⅔	77 88
Johnson	Hughes and Warren avenue	3	37	
Montgomery	William and Johnson	4	61⅔	
		10	1,025	918 48
Rear Presstman	Bouldin alley and Division	3	234⅓	
Etting	Baker and Gold	4	74	112 61
Light	Winder and Wells	10	108	137 62
Gough	Washington and Wolfe	4	388⅓	250 66
Kirby's lane	Mosher and Tennant	4	283⅓	
Mosher	Fulton avenue and Kirby's lane.	3	168⅓	209 44
Rear Preston	Bond and Broadway	3	98⅔	36 17
Greene	Pratt and Portland	4	74	
		6	350	419 49
Rear St. Paul	North and Townsend	4	259	
Rear North avenue	St. Paul and North	4	160⅓	
St. Paul	North and Townsend	4	104⅓	335 52
Rear Fulton avenue	Cairo and Franklin	2	117	
Winchester	Whatcoat and Parrish alley	4	246⅔	
Rear Stricker	Winchester and Patterson ave.	4	98⅔	
Rear Stricker	South of Winchester	4	431⅔	646 12

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1888, *to December* 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear Smallwood	McHenry and Wilhelm	4	185	
McHenry	Smallwood and Pulaski	4	271⅓	$ 204 38
Rear Charles	Heath and Randall	3	246⅔	92 09
Orleans	Chester and Duncan alley	4	86⅓	
Duncan alley	Orleans and McElderry	3	111	98 96
Hoffman	McKim and Greenmount avenue.	4	69⅓	
		6	281	290 59
Rear Eutaw place	Bloom and Presstman	4	246⅔	132 37
Rear Smallwood	Christian and Wilkins avenue	3	86⅓	54 56
Rear Canton	Hudson and Dillon	3	86⅓	
Rear Dillon	Canton and Hare	3	74	77 19
Pratt	Light and Sharp	10	1,350	
Sharp	Pratt and Lombard	8	450	
Charles	Camden and Pratt	4	124⅓	
Calhoun alley	Camden and Pratt	6	387½	
		3	12	3,543 84

West	Ridgely and Paca	4	18	
		6	131	$ 264 69
Charles	Hill and Lee	4	9	
		6	375	294 46
Rear Biddle	Chester and Castle	3	172⅔	
		4	16	
Rear Biddle	Peabody and Washington	4	2	91 16
Cider alley	Paca and Greene	6	400	309 89
McKim	Biddle and Preston	4	235	159 47
Ramsay	Addison alley and Monroe	3	245	94 08
Chew	Central avenue and Ensor	3	37	
		6	825	806 57
Rear Calvert	First and Second	3	245⅔	99 52
Rear First	Oak and Maryland avenue	3	33	24 52
Rear Charles	Biddle and Preston	3	37	16 34
Chew	Chapel and Washington	6	115	
Chapel	Eager and Chew	3	400	210 49
Clifford	Amity and Poppleton	3	245	94 08
Chase	Cathedral and Eager	3	86⅓	
		4	185⅓	
		6	150	
		8	525	830 21
Rear Chester	Townsend and North avenue	4	111	
North avenue	Chester and Choptank	6	156	217 20
Marriott	Hull and Haubert	6	200	

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1888, *to December* 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Haubert	Marriott and Beason	4	123⅓	$227 27
Rear Carmen	Hudson and Dillon	3	86⅓	
Rear Dillon	Hare and Canton	3	74	99 71
Boyle	Fort avenue and Randall	6	125	
Rear Fort avenue	Webster and Boyle	4	86⅓	151 55
Lancaster	First and Second	4	240	134 91
Lancaster	Burke and Port alley	3	4	
		4	4	17 31
Franklin	Calvert and Gravel alley	4	7	
		6	175	118 38
Rear Boundary avenue	Park avenue and John	3	197⅓	96 61
Constitution	Madison and Monument	3	37	14 26
Preston	McKim and Greenmount avenue	4	61⅔	41 10
Rear W. S. Hull	Clement and Beason	3	235⅓	
Haubert	Beason and Clement	4	85	170 51
Cathedral	Biddle and Chase	6	2	
		8	370	381 22

Valley	Hoffman and Preston	6	74	
Rear N. S. Preston	Hillman and Valley	3	123⅓	199 71
Rear Lanvale	Mount and Kirby's Lane	4	283⅔	130 67
Rear Baltimore	Carey and Hollins Lane	3	37	23 10
Rear Gilmor	Franklin and Cairo	3	135⅔	66 07
Clement	Lawrence and Jackson	4	370	203 05
Rear W. S. Fulton	190 N. of Baltimore	2	14	16 27
St. Peter	Parkin and Chapel alley	3	74	
Chapel alley	St. Peter and Columbia avenue.	3	37	42 27
Gold	Carey and Calhoun	4	135⅔	128 22
Rear Patterson Park Ave.	Jefferson and McElderry	3	74	35 38
Mosher	Penna. Ave. and Druid Hill Ave.	4	339	
		10	1,187	1,896 27
Rear Chester	Madison and Monument	2	2	
		3	234⅓	87 92
Rear Boundary avenue	Park Ave. and Mt. Royal Ave.	4	185	94 19
Boston	Elliott and Chesapeake	4	135⅔	86 57
Elliott	Hare and Potomac	3	61⅔	
Hare	O'Donnell and Elliott	3	98⅔	71 50
Madison avenue	Whitelock lane and Retreat	6	714	618 71
Rear Biddle	Greenmount Ave. and Forrest Pl.	4	124	
		3	160⅓	63 49
Rear Argyle avenue	Hoffman and Greenwillow	3	172⅔	86 49
Rear Myrtle avenue	Hoffman and Dolphin	3	123⅓	68 32

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1887, to December 31, 1887.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear Penna. avenue	Laurens and Wilson	3	148	
Rear Laurens	Wilson and Division	3	123⅓	
Rear Druid Hill avenue	Wilson and Laurens	3	86⅓	$159 97
Rear Mosher	Vincent alley and Mount	3	148	79 00
Rear Calhoun	Mount and Fulton avenue	3	24⅔	15 98
Rear Cleveland	Cross and Stockholm	3	296	109 40
Rear Second	North and Barclay	3	197⅓	96 22
Rear McKim	Hoffman and Preston	3	160	
Rear Preston	McKim and Greenmount avenue.	3	12⅓	95 29
Rear St. Joseph	Broadway and Bond	3	148	74 22
Rear Bond	Federal and Oliver	3	209⅔	90 63
Rear Orleans	Duncan alley and Collington Ave	3	49⅓	
Rear Collington avenue	Baltimore and Moyer	3	74	66 29
Lexington	Howard and Eutaw	10	175	145 03
Rear Light	Heath and Bloomberry	4	49⅓	31 18
Goodman alley	Wills and Barney	3	111	
Barney	Goodman alley and Hanover	4	49⅓	92 13

Rear Eastern avenue	Rose and Cannon	3	148	$ 73 54
O'Donnell	Potomac and Curley	3	37	18 82
Nicholson	West of Hull	6	642	408 41
Rear Hudson	Cannon and Lancaster	3	150	
Rear Luzerne	Hudson and Lancaster	3	125	
Rear Lancaster	Rose and Luzerne	4	61⅔	109 43
Rear Ensor	North avenue and Point lane	3	148	67 90
Preston	Calvert and Hargrove alley	4	32	28 76
Hubbard alley	Eager and Chase	3	172⅔	131 29
Carrollton avenue	Schroeder and Poppleton			
	Hollins and Raborg	6	1,698	1,361 48
Rear Warner	Fremont and Henrietta	4	172⅔	
Rear Fremont	Claret alley and Warner	4	125	
Claret alley	Fremont and Little Montgomery	4	65	
Fremont	Claret alley and Montgomery	4	135	326 52
Rear Stricker	Tennant and Winchester	3	407	134 67
Boston	West of Chesapeake	4	20	22 84
Rear W. S. Gilmor	Mosher and Townsend	3	130	62 32
Rear S. S. Edmondson av.	Kirby's lane and Monroe	4	160⅓	76 35
Gold	Division and Etting	3	60	
Bruce alley		4	197⅓	106 48
Bruce alley	Franklin and Cairo	3	55	20 26
Lexington	Park avenue and Eutaw	10	275	1,328 68
Rear W. S. John	Mosher and Townsend	3	135⅔	69 15

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1888, *to December* 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear Myrtle avenue	Lanvale and Dolphin	4	197⅓	
Rear Dolphin	Upton and Myrtle avenue	6	180	
Upton	Dolphin and Lanvale	4	61⅓	
Myrtle avenue	Dolphin and Lanvale	6	130	336 85
N. S. Baltimore	Woodyear and Calhoun	2	18	
		3	49⅓	44 51
Patterson Park avenue	Baltimore and Fairmount avenue	4	37	22 95
Rear Chester	Townsend and North avenue	4	370	
Rear Townsend	Chester and Collington avenue	4	72	
Rear North avenue	Chester and Collington avenue	4	345	441 31
Rear Bethel	Monument and McElderry	3	65	38 67
North avenue	Harford avenue and Aisquith	3	197⅓	53 04
Rear Hoffman	Chester and Washington	4	234⅓	117 40
Mott	North of Gay	3	84	33 63
Rear W. S. Aisquith	North of Gay	3	96	60 27
Eden	Oliver and Federal	4	185	105 29
Rear Caroline	Oliver and Federal	3	185	81 18

Rear Townsend	St. Paul and Lovegrove alley	4	98⅔	70 15
Rear Gough	Madeira alley and Choptank	3	90	42 11
Stockholm	Dexter and Sassafras	3	74	32 94
Rear Light	Randall and Fort avenue	3	123⅓	59 75
Rear Pulaski	Christian and Wilkens avenue	3	209⅔	70 83
Rear Lorman	Monroe and Fulton avenue	3	98⅔	
		4	98⅔	83 80
Rear Chester	Hoffman and Preston	4	74	38 53
Federal	Castle and Washington	6	61⅔	60 74
Broadway	Lanvale and North avenue	4	8	
		6	997⅓	
Lanvale	Bond and Broadway	4	98⅔	1,026 91
Cathedral	Read and Eager	4	61⅔	
		8	505⅔	646 27
Kimmel alley	Lexington and Clay	6	325	308 75
Biddle	Collington avenue and Chester	4	100	62 79
Collington avenue	Hoffman and Oliver	4	197⅓	106 53
Eutaw place	Retreat and Whitelock lane	6	86⅓	83 23
Rear Pennsylvania avenue	Laurens and Wilson	3	80	30 64
Fourth	Lovegrove alley and Charles	4	215	
Lovegrove alley	Fourth and Fifth	4	170	237 77
Potomac	Monument and McElderry	4	185	119 31
Waterman alley	Fremont and Penn. avenue	3	61⅔	26 47
Hollins	Amity and Poppleton	3	146	
Amity	Booth and Hollins	3	45	104 32

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1888, to December 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches	Length in Feet.	Cost.
Conway	Little Greene and Eutaw	3	158	
		4	61	$ 103 77
Warner	Paca and Conway	3	245	
Conway	Warner and Fremont	4	123⅓	296 13
Calvert	Townsend and Federal	4	10	
		8	362	393 72
Poppleton	Fayette and Vine			
Fayette	Poppleton and Amity			
Amity	Vine and Raborg	3	407	119 79
Rear Folsom	Henry and Johnson	3	148	
Rear Johnson	Fifth lane and West	4	200	
Rear Folsom	Henry and Johnson	4	148	
Folsom	Henry and Johnson	4	98⅔	287 71
Morris alley	Laurens and Roberts	4	135⅔	45 67
Rear Chase	Clifton Place and Barclay	4	121⅓	
Rear Clifton Place		3	222	
Rear Clifton Place	Biddle and Chase	3	61⅓	104 50

Patuxent	Hudson and Lancaster	4	111	61 61
Canton	Dillon and O'Donnell	4	37	25 34
Rear Washington	Monument and McElderry	3	98⅔	39 05
Rear Second	North and Barclay	4	197⅓	100 67
East	Half Moon alley and Douglass	3	172⅓	71 18
Mount Royal avenue	Druid Lake and Mt. Royal Res.	3	86⅓	29 72
Biddle	Morton alley and Maryland ave.	4	6	
		3	170	60 13
Gittings	Light and Patapsco	4	185	91 46
Lanvale	Aisquith and Aiken	4	24⅔	
		6	220	
		10	330⅔	602 43
Tenth	Charles and St. Paul	4	394⅔	198 24
Rear Dolphin	Upton alley and Myrtle avenue	4	270	
Upton	Dolphin and Lanvale	4	257	159 47
Rear Smallwood	Mary Ann and Wilhelm	4	271⅓	136 12
Rear Hanover	Randall and Fort avenue	4	158	119 76
Mine Bank lane	North of Belair avenue	4	468⅔	222 74
Mount	Baker and Presstman	3	160⅓	71 52
Rear Chew	Wolfe and Chapel	2	48	18 94
Vincent alley	Lorman and Presstman	4	148	99 88
Rear North avenue	Park and Mount Royal avenue	4	37	27 94
Lovegrove alley	Townsend and Lanvale	4	61⅔	45 26
Rear Lorman	Fulton avenue and Monroe	3	345⅓	125 97
Rear Washington	McElderry and Monument	3	36	22 28

Location, Size, Number of Geet, and Cost of Distributing Main, Laid from January 1, 1888. *io December* 31, 1888.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Inches.	Cost.
Woodberry		4	2	
		2	112	$ 98 97
Caroline	Hampstead and Baltimore	4	2	
Rear Dallas	Hampstead and Baltimore	2	105	79 52
Rear Hudson	Patuxent and Harrison	3	123⅓	
Rear Chesapeake	Dillon and Hare	3	98⅔	77 45
Duncan alley	Orleans and Fayette	3	86⅓	45 63
Rear Monument	Burke and Bradford alley	3	185	
		4	98⅔	108 26
Rear Collington avenue	North avenue and Townsend	4	407	154 63
Rear Cannon	Hudson and Lancaster	3	296	109 36
Rear Argyle avenue	Dolphin and Hoffman	3	160⅓	
Rear Myrtle avenue	Dolphin and Hoffman	3	37	75 82
Rear Fremont	Dolphin and Lanvale	3	160	70 78
Rear Orleans	Choptank and Duncan alley	3	172⅔	
Blood alley	Chester and Duncan alley	3	49⅓	75 08

Rear Hoffman	Wilmer alley and Argyle avenue	1½	7	
		2	91	43 08
Rear Edmondson avenue	Payson and Monroe	4	467⅔	
Monroe	Edmondson avenue and Franklin	4	123⅓	354 76
Rear Cumberland	Carey and Baker alley	4	185	
Rear Baker alley	Cumberland and Baker	3	86⅓	117 97
Wagon alley	Oregon and Schroeder	3	260	115 16
Rear Barney	Patapsco and Charles	3	148	
Rear Charles	Barney and Wells	3	115	
Barney	Charles and Patapsco	3	60	110 83
Rear North avenue	Carter alley and Barclay	3	185	84 63
Rear Barclay	North avenue and Townsend	3	135⅔	
Rear Broadway	Federal and Lanvale	4	152	136 03
Rear Fayette	Choptank and Chester	3	172⅔	71 27
Haubert	North of Beason	4	53	105 19
Blood alley	Choptank and Duncan alley	3	135⅔	55 92
Rear Mt. Royal avenue	Lennox and Reservoir	4	148	76 95
Rear Baltimore	Fulton avenue and Monroe	2	7	
		3	234⅓	
Rear Lexington	Bruce alley and Mount	3	135⅔	
Rear Fulton avenue	Saratoga and Lexington	3	2	128 74
Monroe and 20 foot alley	Hollins and Baltimore	3	104⅓	
		4	176⅔	196 42
Rear Eastern avenue	Port alley aad Cannon	3	98⅔	40 79
Rear North avenue	Park avenue and John	3	24⅔	22 38

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1887, *to December* 31, 1887.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Tome	Boulden and Clinton	3	190	$ 86 24
Dillon	Eastern avenue and Canton	4	410	167 56
Eastern avenue	Dillon and O'Donnell	4	86⅓	61 66
Rear Fort avenue	Henry and Johnson	3	175⅔	62 62
Rear Fort avenue	Jackson and Covington	3	98⅔	39 75
Kirk	Hoffman and Dolphin	3	74	34 23
Rear Myrtle avenue	Hoffman and Dolphin	3	185	67 14
Rear Mount Royal avenue.	W. of Reservoir street	4	210	107 69
Church rear Calverton Rd.	N. of Harlem avenue	4	535⅔	279 38
Alley near Mt. Royal Ave.	W. of Reservoir street	4	40	33 21
Calhoun	Cumberland and Mount	3	111	48 68
Spring	Monument and McElderry	3	176	79 06
Rear Barclay	Third and Fourth	4	308	154 21
Fourth	And Guilford avenue	4	123⅓	213 87
		6	185	

Rear North avenue.....	Ann and Wolfe.....	4	12⅓		
		4	24⅔		
		3	560		
		6	216	397	89
Division.....	Bloome and Presstman.....	4	98⅔	72	77
Rear Bond.....	Oliver and Hoffman.....	3	37	21	61
Rear Orleans.....	Collington and Madeira alley...	4	12⅓		
		3	185	80	90
Alley E. of North.....	Second and Fourth.....	4	65	53	78
Rear Second.....	Barclay and North.....	3	235		
Rear Second.....	Barclay and Greenmount avenue	3	375		
		4	12⅓		
Rear Second.....	Barclay and Greenmount avenue	3	165	289	76
Eastern avenue.....	Dillon and O'Donnell.....	4	86⅔	61	66
Tome.....	Boulden and Clinton.....	3	190	96	97
			57,204½	$39,774	81

ENGINEER AND SUPERINTENDENT'S REPORT,

COUNTY DIVISION.

REPORT.

OFFICE OF THE
ENGINEER AND SUPERINTENDENT COUNTY DIVISION,

LAKE MONTEBELLO, January 1st, 1889.

R. K. MARTIN, ESQ.,
Chief Engineer Water Department:

SIR:—I herewith respectfully submit my report for the year ending December 31st, 1888.

JONES' FALLS SUPPLY.

The flow of this stream was slightly in excess of what it was in 1887. The flow during the summer months was not sufficient to supply the demand, except after heavy rains. For twenty days in July, eight days in August and eight days in September, the water fell below the crest of the dam. The water wasted from the bottom during these months was after rain. The water in this lake rarely gets too muddy for use. Corn and hay have been raised here in sufficient quantities to feed the stock kept here, and to send seventy-nine barrels of corn for teams kept at Lake Montebello. The Water Registrar's report will show what was received for that sold.

The Harper waste weir and conduit connecting Lake Roland with Hampden Reservoir, is in good condition and has been of no expense to the Department during the year. The amount received for pasture and hay cut off this conduit line, will also be seen in Water Registrar's report.

HAMPDEN RESERVOIR

Is in good condition; arrangements have been made to plant an Osage orange hedge around the outside lines of this property in the spring; the walks and grass are in good condition. The pipe lines from here to Druid Lake are in good order and have been no expense during the year.

DRUID LAKE.

The wasting of large quantities of water from the bottom of this lake has had a good effect in keeping it pure and good; the amount sent from this lake to the city is in excess of that sent in 1887. The drive around this lake is kept in good order by the Department.

HIGH-SERVICE RESERVOIR

Was emptied of water in June, and remained so for ten days.

There were 1,029,884,952 gallons of water pumped into it during the year by the steam-pumps in Druid Hill Park. The walks and grass sod are in good condition.

GUNPOWDER SUPPLY.

At Loch Raven the water was too muddy for use 106 days during the year, being 2 days less than it was in 1887. The flow of water over the dam varied in depth from 1½ inches to 40 inches; a heavy flow of water has been constantly wasted from the bottom during the year. The greatest flow of the stream was in March, when the average of clear water per day was 170,000,000, and the average of muddy water per day was 229,000,000 gallons. The least flow was in August, when the average daily flow of clear water was 48,600,000 gallons, and the daily average of muddy water was 120,400,000.

The roads and hedges here are in good order and the nursery full of fine young evergreen trees.

The pipe line connecting the temporary supply pumping engines with Roland run at Lutherville, are being taken out of the ground preparatory to their removal to supply the new High Service Reservoir at Guilford. There has been 507 of these pipes taken out of the ground to date, equal to $1.\frac{800}{5280}$ miles of line. The land adjoining Loch Raven has been farmed on shares with good results. 85 barrels corn and 674 bushels of oats hauled to Lake Montebello, and fed to teams for Clifton, Guilford, Druid Lake and city stable, and enough kept at Loch Raven for the stock there.

The main tunnel from Loch Raven to Lake Montebello continues to work satisfactorily, and has been no expense to the department during the year.

LAKE MONTEBELLO.

The amount of water sent to the city from this lake has increased since my last report. The least amount sent per day was 19,258,000 gallons during March ; the greatest was during August, when the city used from this lake 25,355,000 gallons per day, and from the Jones' Falls supply, 18,000,000 gallons, making the total number of 43,355,000 gallons used per day from both supplies during the month of August. Whilst the water is clear in Loch Raven, 54,000,000 gallons of water is wasted from the bottom of this lake per day to insure circulation and keep the water pure and good; 170,000,000 gallons of water has been sent from here to Lake Clifton since the 27th December, to date, that lake being sufficiently finished at that time to commence filling it with water, which will be accomplished in a few days.

Lake Clifton when full will contain 265,000,000 gallons of water and is directly connected with the city by 40 inch mains. The water covers an area of 30 acres, and is 30 feet deep, being the same depth and elevation as Lake Montebello.

Lake Clifton gate-house is completed and is now in thorough working order; the tunnel connecting it with Lake Montebello is in perfect condition, and has cost the department nothing during the year.

Mount Royal Reservoir continues to receive its supply from the Gunpowder, and is working satisfactorily; the walks and grass sod being in good condition.

I can again speak with pleasure of the efficient manner in which the officers and men of this division have performed their various duties during the past year.

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

STATEMENTS,

ENGINEER AND SUPERINTENDENT'S REPORT,

COUNTY DIVISION.

BALTIMORE CITY WATER WORKS.

TABLE OF RAIN-FALL IN INCHES.

1888.	Jones' Fall Supply			Gunpowder Supply		
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mount Royal Reservoir.	Loch Raven.	Lake Montebello.
January	3.95	3.52	3.44	3.59	3.21	3.38
February ...	3.25	3.79	3.10	3.00	3.51	3.07
March	5.30	5.38	5.20	5.37	5.44	5.08
April	2.30	2.59	2.60	2.70	3.00	2.57
May.....	5.00	5.62	4.56	4.50	4.04	3.96
June.....	3.15	3.73	3.33	2.88	3.22	3.29
July.....	4.00	3.60	3.55	2.74	3.78	3.42
August	6.40	9.76	9.50	6.41	6.17	7.04
September...	6.11	5.05	5.94	5.80	6.06	6.06
October.....	2.30	3.74	3.75	3.01	3.54	3.18
November ..	3.65	3.61	3.55	3.35	4.11	2.94
December...	4.50	3.83	3.65	3.62	4.45	3.74
	49.91	54.22	52.17	46.97	50.53	47.73

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

JONES' FALLS SUPPLY FOR THE YEAR ENDING DECEMBER 31ST, 1888.

NUMBER OF GALLONS.

Month.	Clear Water over Lake Roland Dam.	Muddy Water over Lake Roland Dam.	Water from Bottom Gates Lake Roland G. House.	Clear Water sent through Conduit Gates Lake Roland.	Total flow Jones' Fal's Per Month.	Average Flow of Stream Per Day.	Rain Fall, Hampden Reservoir.	Rain Fall, Druid Lake.	Waste from Gates "Harper Waste Wier."	Decrease of Storage in Hampden Reservoir and Druid Lake.	Waste over Weirs on Conduit.	Water Sent to Druid Lake.	Waste from Bottom Druid Lake through No. 11 Stop.	Increase of Storage in Hampden Reservoir and Druid Lake	Total Waste on Line, including Flow over Dam.	Average Waste Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Pumped from Druid Lake to High Service Reservoir.
January	418,000,000		273,000,000	367,000,000	1,058,000,000	34,000,000	800,000	5,200,000		21,000,000	1,000,000	372,000,000	21,000,000		713,000,000	23,000,000	372,000,000	12,000,000	62,456,426
February	482,000,000	224,000,000	560,000,000	346,000,000	1,612,000,000	56,000,000	600,000	5,000,000		8,000,000		351,600,000			1,266,000,000	44,000,000	359,600,000	12,400,000	63,963,450
March	780,000,000		1,320,000,000	420,000,000	2,520,000,000	81,000,000	1,000,000	8,000,000	6,000,000			423,000,000	15,000,000	29,000,000	2,121,000,000	68,000,000	379,000,000	12,200,000	67,068,750
April	326,000,000		599,000,000	503,000,000	1,428,000,000	47,600,000	600,000	4,000,000			15,600,000	492,000,000	81,000,000		1,021,600,000	34,000,000	411,000,000	13,700,000	73,180,650
May	340,000,000		329,000,000	474,000,000	1,143,000,000	37,000,000	1,000,000	7,000,000			2,000,000	480,000,000	15,000,000		686,000,000	22,000,000	465,000,000	15,000,000	93,609,900
June	72,000,000		114,000,000	559,000,000	745,000,000	25,000,000	800,000	5,000,000		37,000,000		564,800,000	46,000,000		232,000,000	7,700,000	555,800,000	18,527,000	107,366,850
July	131,000,000		41,000,000	541,000,000	716,000,000	23,000,000	800,000	5,000,000				546,800,000		10,000,000	175,000,000	5,700,000	536,800,000	17,316,000	100,108,650
August	88,000,000			530,000,000	618,000,000	20,000,000	2,000,000	15,000,000		11,000,000		547,000,000			88,000,000	2,800,000	558,000,000	18,000,000	107,701,200
September	197,000,000		185,000,000	515,000,000	1,197,000,000	39,900,000	1,100,000	9,200,000				525,300,000		15,000,000	682,000,000	22,700,000	510,300,000	17,010,000	91,458,300
October	179,000,000		146,000,000	454,000,000	779,000,000	25,100,000	800,000	5,800,000				460,600,000		13,000,000	325,000,000	10,500,000	447,600,000	15,084,000	99,890,756
November	356,000,000		297,000,000	495,000,000	1,148,000,000	38,300,000	700,000	5,300,000				501,000,000	56,000,000	10,000,000	705,000,000	23,600,000	435,000,000	14,500,000	80,680,200
December	295,000,000	362,000,000	378,000,000	353,000,000	1,388,000,000	44,800,000	800,000	5,700,000		28,000,000		359,500,000			1,035,000,000	33,400,000	387,500,000	12,500,000	82,399,820
Totals	3,977,000,000	586,000,000	4,242,000,000	5,557,000,000	14,352,000,000	471,700,000	11,000,000	80,200,000	6,000,000	115,000,000	18,600,000	5,623,600,000	234,000,000	77,000,000	9,053,600,000	297,400,000	5,417,600,000	14,019,750	1,020,884,953

GUNPOWDER WATER SUPPLY FOR THE YEAR ENDING DECEMBER 31, 1888.

NUMBER OF GALLONS.

Month.	Clear Water over Loch Raven Dam.	Muddy Water over Loch Raven Dam.	Waste Water from Bottom Gates, Loch Raven Gate-house.	Clear Water sent to Lake Montebello from Loch Raven.	Total Flow of the Gunpowder Per Month.	Average Flow of Stream Per Day.	Spring Water Making in Tunnel.	Rain Fall, Lake Montebello.	Waste from Bottom of Lake Montebello.	Waste from Bottom Influent Chamber from Tunnel Montebello G. H.	Waste over Weirs in Lake Montebello Gate-house.	Water sent to Clifton Gate-house from Lake Montebello.	Waste Water from Bottom Gate Lake Clifton Gate house.	Waste Water over Weir in Lake Clifton Gate house.	Total Waste on Line including Flow-over Dam.	Average Waste Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Sent to City from Both Supplies Per Day.	Decrease of Storage in Lake Montebello.	Increase of Storage in Lake Montebello.	Sent to Lake Clifton.
January	3,504,000,000	1,077,000,000	1,165,000,000	1,556,000,000	7,302,000,000	236,000,000	93,000,000	5,000,000	956,000,000		41,000,000	657,000,000	4,000,000	2,000,000	6,749,000,000	218,000,000	651,000,000	21,000,000	33,000,000			
February	1,231,000,000	9,000,000,000	890,000,000	644,000,000	11,765,000,000	466,000,000	87,000,000	5,000,000	273,000,000		6,000,000	525,000,000	2,000,000	1,000,000	11,403,000,000	393,000,000	522,000,000	18,000,000	29,503,000	68,000,000		
March	4,232,000,000	5,582,000,000	1,511,000,000	1,026,000,000	12,381,000,000	399,000,000	93,000,000	8,000,000	414,000,000		15,000,000	600,000,000	2,000,000	1,000,000	11,817,000,000	381,000,000	597,000,000	19,258,000	31,458,000		68,000,00	
April	5,775,000,000	1,496,000,000	1,691,000,000	1,363,000,000	10,325,000,000	344,000,000	90,000,000	4,000,000	854,000,000		17,000,000	585,000,000	1,000,000		9,834,000,000	328,000,000	585,000,000	19,500,000	33,200,000			
May	3,772,000,000	1,486,000,000	1,748,000,000	1,420,000,000	8,426,000,000	272,000,000	93,000,000	6,000,000	717,000,000		16,000,000	786,000,000	2,000,000	1,000,000	7,742,000,000	250,000,000	783,000,000	25,258,000	40,258,000			
June	1,877,000,000	1,804,000,000	1,691,000,000	904,000,000	6,276,000,000	209,000,000	90,000,000	4,000,000	410,000,000		9,000,000	588,000,000	1,000,000		5,792,000,000	193,000,000	737,000,000	24,567,000	43,034,000	150,000,000		
July	982,000,000	2,200,000,000	1,486,000,000	1,251,000,000	5,919,000,000	191,000,000	93,000,000	5,000,000	410,000,000		13,000,000	776,000,000	1,000,000		5,092,000,000	164,000,000	775,000,000	25,000,000	42,316,000		150,000,000	
August	372,000,000	2,177,000,000	1,449,000,000	1,134,000,000	5,132,000,000	169,000,000	93,000,000	11,000,000	428,000,000	10,000,000	13,000,000	787,000,000	1,000,000		4,450,000,000	144,000,000	786,000,000	25,355,000	43,357,000			
September	1,577,000,000	6,031,000,000	1,691,000,000	866,000,000	10,165,000,000	339,000,000	90,000,000	10,000,000	254,000,000	8,000,000	12,000,000	692,000,000	1,000,000	1,000,000	9,575,000,000	319,000,000	690,000,000	23,000,000	49,010,000			
October	2,437,000,000	610,000,000	1,748,000,000	1,566,000,000	6,361,000,000	205,000,000	93,000,000	5,000,000	956,000,000		33,000,000	675,000,000	1,000,000	2,000,000	8,781,000,000	283,000,000	672,000,000	21,667,000	36,761,000			
November	3,057,000,000	2,958,000,000	1,935,000,000	1,350,000,000	9,300,000,000	310,000,000	90,000,000	4,700,000	737,000,000		34,000,000	673,700,000	1,700,000		3,722,700,000	201,000,000	672,000,000	22,400,000	36,900,000			
December	3,532,000,000	3,965,000,000	1,748,000,000	1,512,000,000	10,757,000,000	347,000,000	93,000,000	6,000,000	751,000,000		19,000,000	840,000,000	1,000,000	1,000,000	10,017,000,000	323,000,000	668,000,000	21,580,000	31,080,000			170,000,000
Totals	32,348,000,000	38,386,000,000	18,783,000,000	14,592,000,000	104,109,000,000	285,583,333	1,098,000,000	73,700,000	7,190,000,000	18,000,000	228,000,000	8,185,700,000	18,700,000	9,000,000	99,977,700,000	273,916,666	8,138,000,000	22,215,417	37,059,250	218,000,000	218,000,000	170,000,000

Respectfully Submitted,

WM. L. KENLY,

Engineer and Superintendent County Division Baltimore Water Department.

ANNUAL REPORT

—OF THE—

COMMISSIONERS

—FOR—

OPENING STREETS

— TO THE —

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1888.

REPORT

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS,
CITY HALL,

BALTIMORE, January 2d, 1889.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this Department from January 1st, 1888, to December 31st, 1888, inclusive.

The following list comprises the streets, alleys, &c. opened and closed during the above stated time; also the amount of damages, expenses and benefits, and the amount to be paid by the Mayor and City Council for each and every street, alley, &c.;

Name of Street, &c.	Damages.	Expenses.	Benefits.	Amount on City.
Chester street, from Eager to Hoffman street	$ 20,751 24	$ 842 96	$ 8,679 91	$ 12,914 29
Federal street, from Eden to Washington street	35,975 36	735 85	18,373 56	18,337 65
Andre street, from Fort avenue to Clagget street	13,408 86	321 46	8,510 00	5,220 32
Clemm street, from Towson to Andre street	4,875 25	212 82	3,517 50	1,570 57
Towson street, from Fort avenue to Claggett street	13,158 86	318 01	5,673 25	7,803 62
Lanvale street, from Bond to Wolfe street	22,016 88	602 50	11,682 88	10,936 50
Mount street, from Northwest street to North avenue	6,575 36	238 93	2,666 00	4,148 29
Andre street, from Fort avenue to Marriott street	15,860 68	459 14	7,921 50	8,398 32
Beason street, from Hull to Andre street	4,113 25	410 58	2,338 00	2,185 83

Etting street, from Laurens to Laurens to Robert street..	2,546 79	248 46	1,612 47	1,182 78
Stockholm street, from Scott to Paca street....	2,375 00	220 75	528 00	2,067 75
Pulaski street, from Baltimore street to Lafayette avenue.....	19,521 85	783 58	11,145 85	9,159 58
Collington avenue, from Fairmount avenue to Monument street.....	26,665 63	1,088 80	10,551 40	17,203 03
Nanticoke street, from Cross to Stockholm street.....	2,957 12	387 32	2,167 25	1,177 19
Exeter street, from Front to Constitution street.....	11,035 32	628 60	2,069 91	9,594 01
Oliver street, from Aisquith street to Harford avenue	11,793 48	716 07	2,892 56	9,616 99
	$213,630 93	$8,215 83	$100,330 04	$121,516 72

Streets, &c., in Process of Opening.

Patuxent street, from Monument street to Eastern avenue.

Clarkson alley, from Barney street to a forty (40) foot street.

Race street, from Barney street to Moale street.

Douglas street, from Aisquith street to Holliday street.

An alley, twelve feet wide, in the centre of Kirby's or Dorsey's lane, between Lanvale street and the property of the Harlem Stage Company.

Morton alley, from John street to Hoffman street.

An alley, between Central avenue and Eden street.

An alley, between Eden street and Spring street.

An alley, nine feet nine inches wide, between Eden street and Spring street.

An alley, between Caroline street and Spring street.

An alley, between Caroline street and Dallas street.

Scott street, from its present terminus to Ridgely street.

Henry street, from Clement street to Fifth lane.

Beason street, from Decatur street to the property of H. A Ramsay & Co.

Mosher street, from Kirby's or Dorsey's lane to the western city limits.

Patapsco alley, from Ostend street to West street.

Russell street, from Ostend street to Wooster street.

Madison street, from Wolfe street to Washington street.

Kirby's or Dorsey's lane, from Franklin street to Edmondson avenue.

Clare street, from Washington avenue to the southern terminus of Monroe street.

Race street, from Cross street to Hanover street.

Wooster street, from Washington avenue to Stockholm street.

Carroll street, from Bayard street to Stockholm street.

Nanticoke street, from Bayard street to Stockholm street.

South Paca street, from Scott street to West street.

Cooksie street, from Clement street to Cuba street.

Richardson street, from Fort avenue to Marriott street.

Patapsco street, from Baltimore street to Monument street.

Port alley, from Aliceanna street to Lancaster street.

Bouldin alley, from Bloom street to Baker street.

Penn street, from Haw street to the intersection of Fremont street and Columbia avenue.

Cemetery lane, from Calhoun street to Fremont street.

Calhoun street, from Cemetery lane to Winchester street.

Carey street, from Cemetery lane to Winchester street.

Carrollton avenue, from Mosher street to Winchester street.

Richardson street, from Fort avenue to Claggett street.

Townsend street, from Harford avenue to Caroline street.

Castle alley, from Eager street to Monument street.

Elizabeth lane, from Randall street to Heath street.

Orleans street and Low street, from Forrest street to Exeter street.

Spring street, from Preston street to Hoffman street.

Chew street, from Wolfe street to Chester street.

Barclay street, from North avenue to First street.

Pulaski street, from Frederick road or avenue to Baltimore street.

Eastern avenue, from Luzerne street to eastern city limits.

Dallas street, from Oliver street to Hoffman street.

Henry street, from Randall street to Fort avenue.

STREETS, &c., IN PROCESS OF CLOSING

Kirby's or Dorsey's lane, from Lanvale street to the property of the Harlem Stage Company.

Point lane, from Ensor street to North avenue.

Fourth street, from Fort avenue south to the line of the property formerly owned by Alex. Gould, Sr.

An alley, between Eden and Spring streets.

Valley, between Barre street and Welcome alley.

Brown's lane, from Caroline street to its northern terminus.

Kirby's or Dorsey's lane, excepting twelve feet in the centre thereof, from Lanvale street to the property of the Harlem Stage Company.

Carey street, at the northern terminus and North avenue.

Belvidere street, from North street to Union Railroad.

Philadelphia road, from Gist street to east of Luzerne street.

Butcher's lane, from Calhoun street to North avenue.

Birckhead street, from Charles street to Patapsco street.

Respectfully submitted,

JOHN McWILLIAMS,
SAMUEL F. SHARRETTS,
DANIEL McCANN,

Commissioners for Opening Streets.

ROBERT GREEN, *Clerk.*

ANNUAL REPORT

— OF THE —

TRUSTEES OF THE

McDONOGH FUND

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

JANUARY, 1889.

BOARD OF TRUSTEES.

1888-89.

OFFICERS:

President,
SAMUEL H. TAGART.

Vice-President,
WILLIAM A. STEWART.

Secretary,
GERMAN H. HUNT.

Treasurer Barnum Bequest.
SAMUEL H. TAGART.

TRUSTEES:

William A. Stewart	212 North Charles street.
Samuel H. Tagart	16 East Lexington street.
David L. Bartlett	205 East German street.
German H. Hunt	233 East German street.
Robert Garrett	11 South street.
Enoch G. Hipsley	Old Town Bank.
William Keyser	205 East German street.

STANDING COMMITTEES:

Wm. A. Stewart, Robert Garrett	Finance.
D. L. Bartlett, Wm. Keyser	Education.
G. H. Hunt, D. L. Bartlett	Barnum Bequest.
D. L. Bartlett, G. H. Hunt	Buildings.
E. G. Hipsley, Wm. Keyser	Farm and Lands.
G. H. Hunt, Wm. Keyser	Housekeeping and Supplies.
D. L. Bartlett, G. H. Hunt	Legislation.

The President of the Board is Chairman of each of the Standing Committees.

REPORT OF THE PRESIDENT.

OFFICE OF THE McDONOGH EDUCATIONAL FUND AND INSTITUTE,

BALTIMORE, January 28, 1889.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN:

At the beginning of the present year we find ourselves confronted by the same obstacle which has hampered us in the operation of our school for some time past, and will continue to do so until relief is obtained. The great uncertainty hanging over our financial condition seriously embarrasses us, and induces us to invite your earnest and serious attention and prompt action in regard to the remedy.

Since our last report the demands of the school have been increased by the accession to the city of additional population who are entitled to its benefits. This accession will naturally require increased means to provide for the number taken from the additional wards. It becomes necessary for us again in this report to revert briefly to the history of this fund, as many of your present members are not perhaps familiar with the sub-

ject. This is particularly required to remove from your mind an erroneous impression which seems to exist as to the relation of this fund to the City.

In 1858 the City of Baltimore accepted this fund, which was left by Mr. McDonogh for the education and maintenance of the poor orphan boys of the City of Baltimore. In accepting it, it pledged its faith to abide by and perform the wishes of Mr. McDonogh as expressed in his will. The State of Maryland, to whom it was left in the event of the refusal of the City to accept it, had previously passed an Act accepting it on its part. To show you how completely isolated and free from all connection with its other funds the City considered this fund, we will quote one of the sections of the ordinance passed at that time: "That, whereas it is considered an object of primary obligation to keep the legacy of the late John McDonogh separate and distinct from the general funds of the City of Baltimore, so that while it accomplishes the leading object of the testator it may stand as a monument of his liberality and public spirit." At that time, as is well known, the rate of all interest paid by the City was six per cent., and in order that no question should ever be raised as to that rate, when the Council proposed to borrow this fund in 1860 for the erection of our City Hall, it expressly provided that the rate of interest to be paid on it should be six per cent.

The ordinance of which we have spoken was passed at the suggestion of the Hon. Thomas Swann, then

Mayor, to whose foresight we are now indebted for our parks, our fire department, and many of our most useful institutions. It was a wise and judicious provision, which would have prevented the issue of the present City Hall stock, which constitutes one of the debts of our City. In the following year a mistaken sentiment prevailed that it would not do to have it proclaimed that the City Hall was built out of the money left by Mr. McDonogh for educational purposes, and the Council, acting upon this sentiment, repealed that Act. With these facts before you, can it be pretended that our fund can have any connection with the general legislation of the City, or be mixed up in any manner with its ordinary affairs?

Three years since, our Board, deeming it due to the City as well as to the fund to call the special attention of the Mayor and Council to the importance of taking speedy action upon this matter, devoted their report almost exclusively to this subject. Our efforts were rewarded by the approval of the then Mayor, who in his message commended it to the favorable consideration of the Council, which after full deliberation unanimously passed the resolution approving the Ordinance now before you. We then hoped that by this action we had obtained perfect security for our fund, but our expectations were crushed by an unexpected veto of the Mayor. We renewed our application at the succeeding session of the Council, upon which a favorable report was made by the Committee on the McDonogh bequest, which report is now before one of your branches.

We took this early action that we might not be amenable to the charge of neglect in calling the attention of the Council to so grave a subject, and of waiting until the calamity which now threatens was upon us. In 1893 two hundred and eighty thousand dollars of our six per cent. bonds mature. You will, therefore, readily perceive that we are fast approaching the period when, unless provision is made for a continuance of our revenue, embarrassment to our school must surely ensue. We have heretofore very clearly and explicitly shown your honorable body that at the time of the maturity of what is known as the Water Loan, this fund, by the action of a majority of the Finance Committee, was shorn of $4,334 of yearly interest. This was done against our solemn protest at the time, and with the light of all preceding legislation before them, as we have shown by the Ordinance before mentioned. We may well ask what would be the result to our Institute if a like depletion should take place upon the maturity of the part of the fund due in 1893. We do not anticipate such an event, as we think a sense of justice will govern the action of your honorable body. We do not believe that our City, assuming a trust of this nature, will ignore the terms and conditions upon which it was received and which were declared by the Mayor and City Council of that date. We do not say this in the sense of making an appeal for this fund, as it requires none if fairly dealt with and maintained in good faith.

There are, as we feel and believe, graver considerations involved in your action than may at first present

themselves to your minds. All your acts are open to the inspection of the community, and it may be that other philanthropists who may have deemed this a worthy object for their bounty, may at this time be watching your course as to this fund. We know that you would not willingly close the doors of the City against their liberality by omitting to perform so obvious a duty as doing justice to this fund. To convince all who may be interested in it of the good faith of the City, let the Council restore the amount with interest, which, as we have heretofore explained, it was deprived of, and which is now lying in your own treasury. Let not the penetrating eye of the searcher after our own history ever be able to discover that there had been such a conversion. We are, as you are aware, but your own agents and what we have said has been made necessary by the perilous condition of this fund at the present time. Would it not be a graceful act upon the part of the City, as a tribute to the memory of Mr. McDonogh, that they should issue a separate bond or stock to be denominated The McDonogh Educational Fund? The City has never up to the present moment paid one dollar on account of this fund; when even Mr. McDonogh's remains were brought here, his grave dug, his monument erected and the inscription placed upon it (although the inscription declared that the monument was erected by the Cities of New Orleans and Baltimore, in gratitude for his noble charity), all was paid for out of his own money. Surely, we think the time has arrived when there should be some recognition of the good that has

been accomplished and of the relief afforded to our own treasury by the noble gift of our benefactor.

We speak feelingly, for we feel keenly our own responsibility towards it. We have, to the extent of one-half of our Board, had charge of this fund by your appointment for more than twenty years. We have not only operated the school for a greater portion of the time, but the fund is now double the amount that it was when it came into our hands. The beneficiaries of this fund, who alone can be affected by your action, can never be heard except through us, as the Mayor or members of the Council seldom, if ever, come in contact with them. We have now discharged what we conceive to be our whole duty, and if harm comes to this fund we leave the responsibility to your Honorable Body, where alone it belongs.

Accompanying this report you will find our annual financial statement, containing a list of all our properties, as also the receipts and disbursements. We also hereto append the report of the Principal of the School, which contains a full description of the operations of the school for the past year, its present condition and valuable suggestions as to our future needs. The Principal has frequently called our attention to the urgent necessity for an infirmary. As he very properly says, should there be an outbreak of any contagious disease amongst the boys, there would be no escape or safety except by immediately closing the

school and sending the boys off to their homes. Unfortunately, some of them have no homes and none have at home the comforts that were vouchsafed to them when they entered the school. A chapel for worship is another necessity, as the school room or play room are by their associations not the places to produce any solemnity. To remember their Creator in the days of their youth is the first injunction laid upon the boys when they arise in the early morn, and the Principal impresses this lesson upon them with as much earnestness as any other portion of their education. Amongst their other petitions to the Most High is that He will "defend and provide for the fatherless children and widows," which, however, owing to your remoteness, has never reached the City Hall. The school is in as flourishing a condition as it can be brought to with our present means, to which we are indebted to our able Principal, and his admirably qualified assistants.

Yours very respectfully,

S. H. TAGART,

President.

Attest: GERMAN H. HUNT,

Secretary.

Annual Statement.

Report of the Finance Committee.

BALTIMORE, January 1st, 1889.

To the Trustees of the
McDonogh Educational Fund and Institute.

GENTLEMEN:

The following is a statement of receipts and disbursements of the McDonogh Fund from January 1, 1888, to December 31, 1888:

RECEIPTS:

Cash on hand as shown by last report		$ 1,908 59
Interest on City Stocks		38,930 00
Sale of Farm Products		117 18
Sale of Live Stock		500 00
Sale of land in the parish of Iberville, La., also Certificates of Location, receiving therefor, cash		8,801 65
and Bills Receivable secured by Mortgage, $18,317.33		
Loan from Zenus Barnum Bequest, with interest to Jan. 1, 1889		4,431 67
Loans from National Mechanics Bank		5,000 00
		$59,689 09

DISBURSEMENTS.

Loans paid National Mechanics Bank	$18,000 00	
Interest on Loans	767 50	
For Purchase of $3500 of City Stock	4,338 75	
For Water Reservoir	490 40	
For Wringer and Laundry	109 56	
For Painting Houses	184 64	
For Construction and Repairs	438 29	
For House Furniture	117 09	
For Library and School Apparatus	741 98	
For Printing Brief, Fees and Advertising	222 39	
For new Ice House and Coal House	4,182 33	
For Cementing Tank	175 00	
For Paving Road	1,000 00	
For Transportation on Western Maryland Railroad.	48 35	
For Miscellaneous Expenses	187 14	
Amounts carried forward	$31,003 42	$59,689 09

Receipts brought forward			$59,689 09
Disbursements brought forward		$31,003 42	
For Expense of Tuition	$ 4,669 31		
For Expense of House and Lodging	5,356 07		
For Expense of Subsistence	10,758 97		
For Expense of Clothing	3,710 55		
For Medical Attendance	132 04		
For Office Stationery	108 01		
For Expenses of the Trust	1,363 32		
		26,098 27	
			57,101 69
Balance of Cash on hand			$ 2,587 40

The following statement shows how the McDonogh Fund is now invested, and the present value of the Trust:

BALTIMORE CITY STOCK.

Defence Loan of 1893, interest at 6 per cent., payable March 1 and September 1	$210,000 00	
Exempt Loan of 1893, interest at 6 per cent., payable March 1 and September 1	70,000 00	
Funding Loan of 1900, interest at 6 per cent., payable January 1, April 1, July 1, and October 1	85,200 00	
Funding Loan of 1916, interest at 5 per cent., payable May 1 and November 1	310,000 00	
Jones' Falls Loan of 1900, interest at 5 per cent., payable Feb. 1, May 1, Aug. 1, and Nov. 1	30,000 00	
City Hall Loan of 1902, interest at 6 per cent., payable Jan. 1, April 1, July 1, and Oct. 1	1,800 00	
Western Maryland Loan of 1902, interest at 6 per cent, payable January 1 and July 1	1,500 00	
		$708,500 00

BILLS RECEIVABLE.

Secured by mortgage on Real Estate	18,317 33
Total Productive Investments	$726,817 33

REAL ESTATE.

McDonogh Farm and Improvements	$127,500 00	
Payments on account of Real Estate in Louisiana	5,555 96	
New School Buildings	165,408 83	
		298,464 79
Amount carried forward		$1,025,282 12

PERSONAL PROPERTY.

Amount brought forward		$1,025,282 12
Live Stock on McDonogh Farm	$5,900 00	
Household Furniture and Material	3,500 00	
Library, Furniture and Instruments	1,500 00	
Farming Implements	2,700 00	
		13,600 00
Amount of Cash on hand		2,587 40
		$1,041,469 52
From which deduct:		
Amount due Barnum Bequest		10,431 67
Present Value of Trust		$1.031,037 85

In addition to the real estate, stocks, etc., already enumerated, the Trust owns the following properties in the State of Louisiana:

ST. JAMES PARISH.

A tract of 10,000 acres about fifty-five miles north of New Orleans, on the eastern bank of the Mississippi, situated in the parish of St. James. In 1859 the joint commissioners who made the partition between New Orleans and Baltimore appraised this property at $75,000, and it was charged to Baltimore at that appraisement. In the report of the former agents, in 1860, they, however, spoke of this tract as "low swamp land probably of no great value."

LIVAUDAIS TRACT.

A one-half undivided interest with New Orleans to 177 arpents of land lying in the rear of the city of New Orleans, known as the "Livaudais Tract." The partition of this tract has never been made so as to ascertain the respective rights of the parties in and to the same, and the suit is still pending in regard to it. It is alleged New Orleans holds possession of a portion of this which belongs to Baltimore.

ST. BERNARD AND ORLEANS PARISHES.

A small tract in the rear of Versailles, parishes of St. Bernard and Orleans, bought in by Baltimore under a judgment in its favor, at $280.

ST. BERNARD PARISH.

One hundred and eighty-five squares of ground in the rear of Versailles, parish of St. Bernard, sold in 1859 to W. Dunbar for $2,000, but not paid for.

NEW ORLEANS.

Twenty-four certain lots of ground situated in the city of New Orleans, in square known as Number 370, bounded by Toulouse, White, Saint Peter, and Duprez streets, said property having been bought in by Baltimore at a tax sale, 5th of October, 1875, for $138.85, it having been sold for payment of taxes due by J. O. Theard, a debtor to Baltimore. Property assessed at $2,000.

FASSMAN LOTS.

The "Fassman" lots, situated in square Number 753, New Orleans, bounded by Scott, Pierre, Bank, and Palmyra streets; assessed at $1,200.

CERTIFICATES OF LOCATION.

Seventeen Certificates of Location, viz: In Tangipahoa parish, 28.28 acres; in Washington parish, 131.32 acres; in Livingston parish, 1,989.55 acres. Total, 2,149.15 acres.

The books of account containing the various items embraced in the foregoing statements were duly balanced on 31st ultimo, and the Committee now present for your examination a Balance Sheet of the Trust Ledger, showing the investments of the Trust Funds on January 1st, 1889.

BALANCE SHEET.

Dr.		*Cr.*	
Baltimore City Stocks..	$708,500 00	Barnum Bequest.....	$ 10,431 67
Real Estate, McDonogh Farm.....	127,500 00	McDonogh Trust Fund	1,031,037 85
Real Estate, Louisiana..	5,555 96		
New School Buildings..	165,408 83		
Live Stock on Farm....	5,900 00		
Household Furniture...	3,500 00		
Library and Instruments	1,500 00		
Farming Implements...	2,700 00		
Bills Receivable.....	18,317 33		
Cash	2,587 40		
	$1,041,469 52		$1,041,469 52

Respectfully submitted,

S. H. TAGART,

WM. A. STEWART,

Finance Committee.

STATE OF MARYLAND, *City of Baltimore, sct:*

I hereby certify that on this 10th day of January, A. D. 1889, personally appeared before me, a Justice of the Peace in and for the city and state aforesaid, Samuel H. Tagart, President of the Board of Trustees of the McDonogh Educational Fund and Institute, German H. Hunt, the Secretary thereof, and Wm. A. Stewart, one of the Trustees thereof, and did each make oath in due form of law, that the matters stated in the foregoing Reports are true, to the best of their knowledge and belief.

Sworn before GEO. McCAFFRAY,
Justice of the Peace.

THE ZENUS BARNUM BEQUEST.

BALTIMORE, *January* 1, 1889.

To the Trustees of the

McDonogh Educational Fund and Institute:

GENTLEMEN: The undersigned, Treasurer of the fund created by the will of Zenus Barnum, deceased, hereby reports that the Receipts and Disbursements from January 1, 1888, to January 1, 1889, have been as follows:

RECEIPTS.

Cash on hand as shown by last report	$3,132 47
Ground Rent	300 00
Dividends	463 80
Coupons Paid	1,555 00
Interest on City Stock	2,220 00
Interest on Loan to McDonogh Educational Fund	431 67
	$8,102 94

DISBURSEMENTS.

For Box Rent at Safe Deposit Company	$ 20 00	
Loan to McDonogh Educational Fund	4,000 00	
On account of Barnum Printing Office	406 37	
On account of Barnum Wood Shops	831 38	
		5,257 75
Balance of Cash on hand		$2,845 19

The following is a list of the securities now held for the benefit of this Bequest:

$30,000 Baltimore City 6 per cent. Stock of 1890.
7,000 Baltimore City 6 per cent. Stock of 1900.
6,000 Virginia and Tennessee Railroad Bonds.
5,000 Ohio and Mississippi Railroad Bonds, Springfield Division.
3,000 Western Maryland Railroad Bonds, Guaranteed.
3,000 Northern Central Railroad Bonds.
1,000 Cincinnati, Washington and Balto. Railroad Bonds, First Mortgage.
1,000 Pittsburgh and Connellsville Railroad Bonds.
80 Shares Maryland Fire Insurance Company Stock.
60 Shares Firemen's Insurance Company of Baltimore Stock.
25 Shares Baltimore and Ohio Railroad Preferred Stock.
6 Shares Girard Fire and Marine Insurance Co. of Phila. Stock.

In addition to the bonds and stocks above enumerated, the Trust owns a sub-groundrent on property on Fort Avenue, Baltimore, yielding $300 per annum, and there is due from the McDonogh Educational Fund $10,000.

Respectfully,

S. H. TAGART,

Treasurer.

REPORT OF THE PRINCIPAL.

McDonogh School, January 1st, 1889.

To the Trustees of the
McDonogh Educational Fund and Institute:

Gentlemen:

The past year was one of healthy progress, but was not marked by any very important changes in our circumstances or work.

In looking back over the growth of the McDonogh School, the most important features in its developement seem to be:

1. The selection of a single purpose, and that one not too wide. Our aim has been simply a good school.

2. The recognition of the fact that it is a waste of time and money to take charge of boys not suited to the purpose in view. In proposing to give good training to normal, healthy boys of good character, we want such boys to deal with, and no others.

3. Thorough and careful teaching of curriculum not too extensive, but composed of subjects well adapted to the preparation of those taught for their future work.

4. A discipline that includes three things: (1). Prompt and unquestioning obedience to regulations that are military in their exactness, and comprehensive enough to embrace the daily life and habits of the boys. (2). A large amount of liberty in the matters that are left to the management of the boys themselves, who are thus constituted a society, and taught to exercise the responsibilities of members of it. (3). A perfectly frank and unrestrained intercourse between teacher and scholar which rests on a basis of mutual confidence and respect.

5. A regime that allows no place to idle, self-indulgent or luxurious habits.

6. A system of appointment and honors that throws the scholar constantly upon his own responsibility. He secures his appointment through a competitive examination. His standing, his privileges, his continuance in the school depend, and depend solely, upon merit. He is the architect of his own fortunes.

The number of boys was increased to one hundred at the beginning of the present session. At the close of the preceding session seven boys completed their courses satisfactorily, and two failed to secure reappointment because of poor records. Two boys had been dismissed a short time before the end of the school year. The places of these boys, together with ten new ones, made twenty-one vacancies to be filled. For these vacancies over one hundred applications were filed. After eliminating those who were for various reasons ineligible,

seventy-two presented themselves on June 9th at the examination, which, by the courtesy of the City school authorities, was held at Grammar School No. 1, Fayette and Greene streets. The examination was conducted, as for several years past, by Prof. H. A. Wise, Superintendent of Public Schools, Baltimore, and Prof. W. F. Wardenburg, of the Eastern Female High School, who gave renewed evidence of their cordial interest in our work by acting again as examiners. A graded list was reported to the Board, and the appointments were made in the order of merit.

The number of boys in the printing office, under Mr. Lyle, is now seventeen. These boys spend from eight to nine hours per week at this work, and the results in developing accuracy, carefulness and business habits, have been marked. The little paper, "The Week," which they publish, is one of the most useful pieces of work done at the school. It has proved to be an effective agent in developing among the boys the capacity to use their own language.

In the Barnum wood shops, under charge of Mr. Smith, some new benches have been added, and the number of boys has been increased to fourteen. A new foot lathe and other tools have been added to the equipment, and recently a forge and some apparatus for moulding have been procured, with the design of extending the range of instruction. The time devoted to shop work is nine hours per week, all in the afternoon. The boys have constructed, under Mr. Smith's direc-

tion, some neat and useful electrical apparatus, and have done other work, showing a very creditable amount of care and skill in the handling of tools.

The military drill of the boys is in charge of Mr. Hough, by whom they have been well taught the usual squad and company drill. Twenty minutes per day are assigned to this exercise in good weather, but it is suspended in the winter.

The instruction in music continues under the efficient direction of Mr. Sumwalt. He often forms the better trained boys into a choir or glee club, for the practice of suitable pieces.

In order to accumulate data that may be of use in determining the effect of our system of physical training, we procured a year ago the measuring and testing apparatus now used at Harvard and Johns Hopkins Universities. The instruments were made for us under the direction of Dr. Sargent, of Harvard, and afford means for the accurate measurement of the principal parts of the body, and for testing the strength and capacity of the most important organs. The apparatus was placed in charge of Mr. Moon, by whom every boy that enters the school is measured and tested. A permanent record is kept, and the measurements and tests are to be repeated every year. It is believed that in a few years we shall have gathered data that will be of use in developing and modifying our own system, as well as of value to others interested in the investigation of the best methods of physical training.

An athletic association was formed by the boys last winter, and was maintained during the year with much spirit and success. This association provided themselves with the simpler things needed ; some apparatus was put up for them in the play room ; and they enjoyed the instruction of Messrs. C. D. Lanier and B. A. Franklin, who had taken gymnastic courses at the Johns Hopkins University under Dr. Hartwell. The majority of the older boys became members of the association, and spent a considerable part of their playtime, especially in bad weather, in gymnastic exercises within doors. The association gave exhibitions at Commencement and on Founder's day. This organization is a useful and attractive addition to our means of physical training and deserves encouragement.

The Friday afternoon lectures were continued throughout the winter, mainly by the Faculty. We were indebted, however (December 16, 1887), to Passed Assistant Surgeon A. C. H. Russell, U. S. N., who was formerly a member of our faculty, for a most entertaining lecture on "Corea and Its People," fully illustrated by pictures and photographs. On February 10, Mr. John Hemsley Johnson lectured clearly and instructively on "The State and the Citizen." And on March 16, Mr. Edward Ingle, of the Baltimore *Sun*, gave us a most interesting talk on the life and experience of a reporter.

The Sunday religious services were conducted by the Rev. W. S. Jones, until the first of October. At that

time Mr. Jones removed to another parish, and we were for some time without a chaplain. I am glad to report that the Rev. Hobart Smith, the new Rector of St. Thomas' parish, has accepted the position of chaplain for the new year, and will enter upon his duties on January 6th, 1889.

Our last Commencement, June 2d, was largely attended. Maj. Richard M. Venable, of Baltimore, made an admirable address to the school, entitled "Boys," which has been printed at our printing office.

The second meeting at the school of the McDonogh Alumni Association was held July 4th. The meeting was large and interesting, and gave evidence that these meetings of the Alumni would be useful in promoting the objects of the association. The association elected officers for the ensuing year, and appointed Mr. D. C. Lyle their orator for July 4th, 1889.

Founder's day, November 21st, was observed as usual. A number of visitors were present, and brief addresses were made to the school by Prof. Otto Fuchs, Rev. E. Eldridge, Mr. John Hemsley Johnson, and by our honored President, S. H. Tagart, Esq. Dr. A. P. Sharp brought out a beautiful silver cup as a prize to the boy who had attained the highest grade in scholarship during the past year. This prize was conferred upon H. W. Lanier, whose standing at the head of the school entitled him to the honor. Dr. Sharp made the presentation in person, and accompanied it with a happy and appropriate address.

The ice house built in 1887, and filled for the first time in January last, has served its purpose well ; while the conversion of the old ice house near the pump house into a reservoir for the spring has very much improved our water supply. Last summer a coal shed was put up large enough to hold a year's supply of fuel, and in the fall a meat house with suitable conveniences for butchering and curing meat was built. These buildings, which have given us much-needed conveniences, were constructed in great part out of the trees blown down on the farm by the storm of July 19th, 1887.

It may be well to gather up what I have said on other occasions in regard to the lines of development to which our surroundings and circumstances point.

The success that has so far attended our work encourages us to maintain the present course of instruction and discipline. We aim to give boys a good start in their education rather than to complete it. We try to lay a foundation on which they may safely build, rather than to finish the structure. It is because our boys are at the beginning of their course that we deem the establishment of good habits, both mental and physical, and a healthy growth of character, more important than acquisitions of knowledge.

The greater number of our scholars go out at sixteen years of age, to enter upon mercantile or manufacturing pursuits. They complete their education in learning the business that is to engage them hereafter. A number remain here a year longer, and some of these

carry on their education at the Johns Hopkins University, and make their way into the professions. It is to be hoped that some benefactor may put it into our power to offer such prizes to unusual talent and energy as will secure university or higher technical training to those who would profit thereby—something like the "exhibitions" attached to the great English Public Schools. We have in several instances given home and board (the equivalent of about $150 a year, for two years) to those students who make a grade on their entrance examinations at the Johns Hopkins University sufficient to obtain for them from the University scholarships covering their tuition. Such assistance, however, will not enable a scholar to enter college unless supplemented by private aid. If we had one or more scholarships yielding enough to cover bare expenses at college, and so arranged as to secure a course in some one of our best technical schools, in cases where this would be preferable to attending the Johns Hopkins University, such prizes would operate as a powerful stimulus to the more ambitious and capable of our students, and through them would act advantageously on the whole school.

I have several times called attention to the desirability of extending the number of scholars beyond the limit set by the income from the present funds of the Institution. (1). The large number of candidates for admission, and the facilities we possess in an admirable location and ample grounds, invite an expansion of our work in this way. The endowment of additional

scholarships by bequests and donations should be encouraged. The scholarships thus endowed should bear the founders' names, and the scholars appointed upon them might come from any locality the founders preferred. Indeed, the only restriction it seems necessary to attach is that boys appointed in this way should conform in age, condition and character to the McDonogh boys. We print in this catalogue a legal form of bequest to the school. (2). The admission of pay boys, or non-foundationers as they are called, has been more than once recommended to the Board. We believe that such a policy, under judicious management, would greatly extend the usefulness and influence of the school, and at the same time prove a means of increasing its funds. Many persons desire for their sons the strict discipline, the healthy life, the simple appointments, the careful teaching we have to give, and are willing to pay for these the usual fees of a first-class school. Ample experience shows that the intermingling of such boys with boys like ours is a source of benefit to both classes. Looking at the matter from a McDonogh standpoint, by excluding pay boys we deprive our boys of associations and opportunities that would be of value in subsequent life; we fail to use the readiest means of impressing upon them the worth of the privileges they enjoy as scholars on the foundation; we reject a most important method of widening the work and influence of the school, and we close up a source of revenue which might be used to increase the permanent fund. I

therefore respectfully recommend this matter again to the consideration of the Board.

Turning from questions of general policy to our needs at the present or in the near future in buildings and equipment, the following enumeration contains the most important, some of which have already been matters of conference with the appropriate committee.

1. Now that the Board have ordered the construction of a cottage that will serve for an infirmary, the the most expensive building needed is a chapel to be exclusively reserved for religious service. This addition to our buildings is highly desirable, but its cost will be considerable, if handsomely built as it should be, and it may therefore have to be postponed.

2. Our class room accommodations are becoming cramped, and the original intention of turning the play room into class rooms should be carried out. This will involve the construction of a building outside the present one. Such a building should contain a room for gymnastic exercises and provision for some games, such as ten-pins, etc., and perhaps should embrace bathing arrangements. The building should be a cheap one—frame would do.

3. It is desirable to establish the Barnum shops in a suitable building as soon as the condition of the Barnum fund will justify it. In order not to delay the organization of this department the old school and dining rooms have been used for its accommodation, but this is a temporary and inconvenient arrangement.

4. We need some cottages on the farm to replace buildings which it is no longer economy to repair and keep up.

Mr. Clousher managed the affairs of the farm during the year with his usual ability and success. Under Mr. Blair's direction the garden was more extended and productive than ever before.

No change has taken place in our faculty since my last report. It is my pleasure no less than my duty to bear testimony to the zeal and fidelity with which my associates have devoted their best energies to the work of the Institution. I desire to record especially the obligations we are under to Mr. Lyle and Mrs. Young, who have been with us since the opening of the school, and to whose skill and faithfulness are due a large part of whatever success has attended our efforts.

Our gratitude is due to Divine Providence for the many blessings we have enjoyed.

Respectfully submitted,

W. ALLAN,

Principal.

CATALOGUE

—OF—

McDONOGH SCHOOL.

1887-88.

BOARD OF TRUSTEES.

1887–88.

OFFICERS:

SAMUEL H. TAGART.... .....PRESIDENT.
WILLIAM A. STEWART.....VICE PRESIDENT.
GERMAN H. HUNT.....SECRETARY.
SAMUEL H. TAGART.....TREASURER BARNUM BEQUEST.

TRUSTEES:

WILLIAM A. STEWART.....212 North Charles Street.
SAMUEL H. TAGART..... 16 East Lexington Street.
DAVID L. BARTLETT.....205 East German Street.
GERMAN H. HUNT.....233 East German Street.
ROBERT GARRETT..... 11 South Street.
ENOCH G. HIPSLEY.....Old Town Bank.
WILLIAM KEYSER.....205 East German Street.

STANDING COMMITTEES:

WM. A. STEWART, ROBT. GARRETT.....Finance.
D. L. BARTLETT, WM. KEYSER.....Education.
ROBT. GARRETT, E. G. HIPSLEY.....Barnum Bequest.
D. L. BARTLETT, G. H. HUNT.....Buildings.
E. G. HIPSLEY, WM. A. STEWART.....Farm and Lands.
G. H. HUNT, WM. KEYSER.....Housekeeping and Supplies.

The President of the Board is chairman of each of the standing commlttee.

THE McDONOGH FUND.

On the last Commencement day, June 2, 1888, the following statement was made by the Principal.

I beg your attention to-day to a short history of the McDonogh Bequest and its relations to the City of Baltimore. A generation has passed since this fund came into possession of the City, and the facts connected with its early history have faded in large part from the public mind.

John McDonogh died October 26, 1850. The bulk of his estate, which was all devoted to charitable purposes, was left to the cities of New Orleans and Baltimore for the education of the poor. The executors named in his long and intricate will were to transfer the property for permanent management to six commissioners or agents to be appointed by the two cities; these commissioners were directed to keep the estate intact and use only the income for the purposes set forth in the will. They were also instructed to continue Mr. McDonogh's own policy of investing only in real estate. It was also provided that if the cities should decline, or for any cause fail to take under the will, the States of Maryland and Louisiana should become

the residuary legatees. On January 9, 1851, the Mayor and City Council of Baltimore accepted the bequest and pledged the faith of the City that she would "abide by and comply with the wishes and directions of the said John McDonogh, as expressed in his said last will and testament;" and in 1852 the Legislature of Maryland passed an act of similar import in case the State should become the legatee.

The validity of the will, after a long and vigorous contest, was affirmed by the Supreme Court of the United States in December, 1853. In 1854 the testamentary executors notified the cities that they were ready to turn over the estate, and on December 28th of that year an ordinance of the City Council of Baltimore was approved, providing for the appointment of the three agents who in conjunction with their colleagues from New Orleans were to take charge of the property.

For two years the joint board thus created under Mr. McDonogh's will managed the estate, but with such unsatisfactory results* that at the end of that time all the legatees acquiesced in a suit brought by City of New Orleans for a distribution of the property.

A distribution in kind was ordered by the courts in March, 1858, since which time Baltimore has had entire control of her share of the bequest. The ap-

* They were not able to realize more than $25,000 per annum of net income from the whole estate.

praised value of the whole property at the time of the partition was $1,465,680.

By an ordinance of May 28, 1858, the City appointed Messrs. Mayer, Peterkin and Emory its agents to take charge of the share of the estate belonging to Baltimore, to settle all claims against it, and at the "earliest favorable period" to sell all the property and turn over the money to the Board of Trustees of the McDonogh Educational Fund and Institute, which latter Board was created by the same ordinance. It was further enacted and ordained that all the funds received by this Board of Trustees from the agents above appointed, or in any way appertaining to the McDonogh estate, "shall be invested in the public securities of the City of Baltimore, or the State of Maryland, for the purposes of this trust, and on no condition shall any part of the principal of the same be disposed of or alienated for any purpose whatever." The Board of Trustees were also to establish the McDonogh Institute in accordance with Mr. McDonogh's will when the funds in hand should enable them to do so after setting apart $500,000 as a permanent endowment.

The agents sold the mass of the property in the Spring of 1859, on easy terms, taking notes for deferred payments, and in May, 1860, they transferred to the Trustees of the McDonogh Educational Fund nearly $500,000, mostly in notes.

In May, 1860, the Council repealed the permission to

invest in State securities, and thus limited the Trustees to an investment in City stocks. In July, 1860, an ordinance was passed directing the McDonogh Trustees to loan "all moneys now in hand or hereafter to be received from the proceeds of the McDonogh estate," to the Register of the City for the use of the Commissioners of the new City Hall, to be secured by a mortgage upon the ground and buildings to be constructed, and pledging the faith of the City to the payment of the interest. The Register was directed to "pay interest at the rate of six per cent. per annum upon all moneys so received—the interest to be provided for in the annual tax levies of the City." This last ordinance, which provided a safe and stable investment for the Fund, was repealed in April, 1861, and the Board of Trustees continued to invest the funds as they accrued in City stocks.

The war seriously impaired the McDonogh Trust. It prevented the collection of the unpaid notes, depreciated greatly the value of the real estate, and brought about the failure of many of those who had become purchasers. For two years little was known of the condition of the property of the Trust in New Orleans, and at one time it was feared that almost the whole would be lost. But in 1863-4, Mr. J. W. Randolph, then President of the McDonogh Trustees and agent for the City, succeeded in collecting a considerable amount and in settling up much of the outstanding business. Mr. Randolph, as agent, and the Board of Trustees, of which he was President, continued to

manage the Fund until July, 1868, when the City Council finally created the Board of Trustees which has ever since had charge of it, and directed that all the property of the Trust should be turned over to them. The Trust consisted at this time of $507,000 in City stocks, of real estate in the City of Baltimore worth $60,000, which had been purchased as a site for the Institute, and of unsold land and uncollected debts in Louisiana, from which it was hoped that $100,000 might ultimately be realized.

Faithful care had brought the Fund to this condition when it passed into the hands of its present custodians. All the productive property of the Trust, in obedience to the order of the Council, had been invested in City securities. In following this course the City exercised the discretion which the Courts had given, though Mr. McDonogh had earnestly enjoined the investment of the Fund in real estate.

The new Board found themselves confronted very soon by the suit of Moses Fox, who claimed $300,000, with interest from 1858, under a pretended codicil to Mr. McDonogh's will. This large claim threatened to cripple hopelessly the Trust, but after long and vexatious litigation the Board was successful, and the Fund was freed from this dark cloud. A final decision was not reached, however, until 1872. No other serious litigation has occurred during the present administration, except the claim of Mrs. Gaines. When the Supreme Court established her title to a large amount

of property in New Orleans, the McDonogh estate was involved to a considerable amount. This claim was compromised in 1878 by the payment of $28,000 in cash, an arrangement which in the opinion of the counsel of the Board saved the Cities from an ultimate loss of probably more than three times that sum.

Once freed from the claim of Moses Fox, the Board proceeded to establish the McDonogh Institute. The property that had been purchased in the City for the purpose was sold as unsuitable, and the present site of the school was purchased instead. At the time of the opening of the school, November, 1873, the Trust had increased to $683,000 of productive funds. There was thus $183,000 applicable to building and equipment after setting aside the required endowment of $500,000, but after consultation with the Principal it was decided to add this sum to the permanent endowment and to build and equip the school out of the income. This policy kept the school small for a number of years, but seemed the wisest course in reference to its permanent development.

It is now twenty years since the administration of this Trust was committed to the present Board. They have established the school on a useful and growing basis, and its success is recognized by the community. At the same time the Fund of $567,000 ($507,000 of City Stocks, $60,000 in Baltimore City real estate) which was turned over to them in 1868 has grown to more than $1,000,000 ($705,000 in City Stocks and

$300,000 in the farm, buildings, and equipments of the school.) The Fund has thus increased to nearly double its value under their administration.

The McDonogh Trust has never cost the City of Baltimore the expenditure of a dollar. All expenses of every kind connected with it have been paid out of the Trust itself. It is even true that when Mr. McDonogh's remains were brought to Baltimore, and a monument was placed over them in Greenmount, the Council which directed this to be done directed at the same time that the expense should be paid out of the estate. The monument bears the incription, "Erected by the Constituted Authorities of the Cities of Baltimore and New Orleans in Memory of John McDonogh, and as a Testimony, etc.," though neither city ever contributed a cent toward it.

After having survived the ravages of war and litigation this Trust is now in danger of being seriously crippled by the unforeseen consequences of city legislation which was meant to protect it. When the McDonogh estate was divided in 1858, the right of full control passed to the different legatees, and the City of Baltimore, in the exercise of this right, ordered the investment of her share in the manner already mentioned. The City had accepted the Trust and pledged her faith to the execution of Mr. McDonogh's purposes, and it seemed to the City Fathers of that day that, notwithstanding Mr. McDonogh's instructions, the Fund could nowhere be so safe as in the securities of

the corporation which owned it. As the Fund had been left to the City itself, and as the Trustees appointed by the City to manage it were not an independent corporate body, but simply the agents of the Mayor and City Council, it seemed reasonable and proper that the City should thus assume the entire responsibility for the investment of the Fund, instead of leaving it to the discretion of the Trustees. Nor can it be doubted that the investment ordered was at the time a judicious one. No one then foresaw the enhancement of the City's credit which now threatens to impair the value of the Fund as seriously as did the attempt of Moses Fox upon its integrity.

This can be best illustrated by what has already occurred. Ten years ago the City paid off its old water loan and for the purpose issued a new five per cent loan. The McDonogh Trust had a large amount of the old bonds, and, as no legislation had provided for this contingency, these were paid off like the rest, and the Trustees were forced to re-invest in five per cents and to pay the premium which the bonds carried at the time in the market. The amount of five per cents was still further increased, two years later when other funds had to be invested. In this way the Trust was shorn of $4,334 of yearly interest. The sum representing this yearly deficit, if regularly invested from the time it began until to-day would represent a capital producing over $4,000 annually at six per cent; so that a loss of income of over $8,000 to the Trust is the result to-day of this transaction. If the calculation of loss be carried

to 1893, when the next bonds mature, it will be found that if the City had exempted the McDonogh Trust from a change of investment in 1878, and had continued to pay six per cent on all the funds coming into its hands, the income belonging to the Trust would then be $50,000 instead of $38,900.*

In 1893, $280,000 more of six per cent bonds held by the Trust mature. Unless some provision is made beforehand a similar reduction of income must then take place. With the present outlook it is probable that City bonds will at that time not yield more than three per cent, and hence the income of the Fund may then be reduced from $38,900, its present amount, to about $30,000.

Thus, at a period comparatively near at hand, more than one-third of the income of the Fund will have been cut off, and in a few years more other reductions must follow. It was never the intention of the City to bring about such a loss. Nobody ever designed to reduce in this way the income of the McDonogh Fund, until half or two-thirds of it should gradually be extinguished. On the contrary, the City in directing the investment was only aiming to make the Fund secure. And secure it was made. But security without pro-

* The interest lost, if regularly invested until 1893, would amount to nearly $100,000, to which if the premium paid for the bonds be added, we have a sum that would produce, at 6 per cent, nearly $7,000 of income. This added to the $4,334 of yearly loss on the 5 per cent. bonds now held, shows a total decrease of over $11,000, which added to the present income would make it over $50,000.

ductiveness will amount to little. We all remember the banker in Scripture who upon the close of business returned to his Lord the capital that had been entrusted to him all safe and sound, but tied up in a napkin. The unforeseen consequences of the well designed action of a former generation will inevitably cripple the Fund, unless steps are taken to prevent it.

So far as Baltimore is concerned, Mr. McDonogh was a pioneer in devoting a great fortune to the good of his fellow men. He blazed the way which has been so honorably trod by Peabody, Hopkins, Thomas Wilson, Pratt, Garrett, and others. Mr. McDonogh left his native city in early manhood, and never saw it again. Through a busy life of fifty years he labored to amass money for the benefit of coming generations, and during all this time his affection for the place of his birth never faded nor grew dim. . It was to Baltimore he gave the half of his wealth, and it was here that he desired his ashes to rest. He established no corporation to watch over his bequest, he hedged it about with no conditions, he simply confided it to the City itself, with the advice, derived from half a century of business experience, that the Fund should be invested in real estate.* Had the City followed his advice and invested the Fund in ground rents, or had it held on to

* "For the base of a permanent revenue (to stand through all time with the blessing of The Most High,) I have preferred the earth, 'a part of the solid globe.' One thing is certain, it will not take wings, and fly away, as silver and gold, government and bank stocks often do. It is the only thing in this world of ours, which approaches to anything like permanency."—*Mr. McDonogh's Instructions to his Executors.*

the plan it at one time adopted, of using it as a City Hall fund, there would be no difficulty about the matter to-day. The City, in the exercise of its best judgment and its rightful authority, chose a different mode of investment. Results show that the Trustees it appointed have executed their trust with a fidelity and a success rarely equaled. Will the City permit the magnificent bequest of Mr. McDonogh to be gradually paralyzed by its own legislation?

McDONOGH SCHOOL.

THE FOUNDER OF THE SCHOOL.

The founder of the McDonogh School was John McDonogh, who was born in Baltimore, December 29th, 1779, and died in New Orleans, October 26th, 1850. Having been trained to Mercantile pursuits by Mr. William Taylor, then one of the foremost merchants of Baltimore, Mr. McDonogh was sent by this gentleman, in the year 1800, to take charge of his New Orleans business. Thenceforth New Orleans was Mr. McDonogh's home. He soon entered business on his own account, and in a few years became one of the leading merchants and citizens of that growing City. He invested his accumulations in real estate, and gradually became absorbed in the management and increase of his property. He never married, and at a comparatively early period of life determined to devote all his estate to charities. His principal purpose was the education of the poor, an object which he considered one of the noblest that can engage human effort. He labored assiduously for many years to accumulate wealth, and twelve years before his death made his will, devising the bulk of his estate, amounting to $1,500,000, in equal parts to the Cities of New Orleans and Baltimore, for the promotion of the object he had in view.

THE ESTABLISHMENT OF THE SCHOOL.

The portion of Mr. McDonogh's estate given to Baltimore was devoted, in accordance with one of the provisions of the will, to the establishment near that City of a farm school for the education of poor boys. The civil war, as well as the legal contests which arose over the will, delayed for twenty years the execution of its provisions. In 1868, the City of Baltimore created the present Board of Trustees, to whom were confided the care of the property and the carrying out of Mr. McDonogh's wishes. This Board, in 1872, as soon as the City's title to Mr. McDonogh's bequest had been finally confirmed, purchased the estate on which the school now stands. The needed repairs having been made, the school was opened November 21, 1873, with twenty-one scholars, in the buildings that were on the farm at the time of its purchase. In 1881 the permanent buildings for the institution were begun, and the principal ones have recently been completed.

LOCATION OF THE SCHOOL.

The school is situated twelve miles northwest of Baltimore, on the Western Maryland Railroad, on a fine estate of eight hundred and thirty-five acres. This estate lies on the upper waters of Gwynn's Falls, in one of the most beautiful and healthful regions about the City. A railway station and a post-office, each called McDonogh, are on the farm.

THE PROPERTY OF THE FOUNDATION.

The property of the foundation now consists of:

1. The Bequest of Mr. McDonogh. This now comprises an endowment fund of $705,000, invested in Baltimore City stocks; the McDonogh farm and the buildings upon it; and several tracts of unimproved land in Louisiana.

2. The Bequest of Dr. Zenus Barnum. He left at his death, March 23d, 1882, an estate valued at about $80,000, for the promotion of mechanical instruction and manual training in the McDonogh School.

THE OBJECT OF THE SCHOOL.

In accordance with the will of Mr. McDonogh, the foundation is designed for the education, first, of the poor boys of the City of Baltimore; second, of those of the towns and villages of the State of Maryland; and third, of those from "the different large Cities of the Union." The preference which Mr. McDonogh directed to be given to the applicants from the City of Baltimore has thus far restricted appointments to boys from that City, and it is probable that this will continue to be the case.

Boys admitted on the foundation have no fees of any kind to pay, the entire expense of their maintenance and education being borne by the school so long as they are connected with it.

QUALIFICATIONS OF CANDIDATES.

The Board of Trustees, in carrying out the purposes of Mr. McDonogh's will, have fixed upon the following as the necessary qualifications of candidates for admission to the school.

1. They must be poor boys, of good character, of respectable associations in life, residents of the City of Baltimore.

2. They must be sound and healthy in body and mind.

3. They must be between ten and fourteen years of age.

APPLICATIONS FOR ADMISSION.

All applications for admission to the school should be made to S. H. Tagart, Esq., President of the Board of Trustees, 16 East Lexington street, Baltimore. Persons desiring to make application can obtain from him a printed form containing the questions to be answered and a statement of the information required in regard to the applicant. In addition to the statement thus required, the President examines the applicant orally, in regard to his progress or any other matter about which he desires further information, and notes the result. Applications can be made and the papers filed at any time of the year.

MODE OF APPOINTMENT.

The appointments are usually made in June, just after the close of the scholastic year. So numerous have be-

come the applications of eligible candidates to fill the annual vacancies caused by the withdrawal of the graduating class, or of others, that the Board has adopted the following method of appointment. An examination is held early in June at some convenient place in Baltimore, and all the eligible candidates on the register are notified to attend. These candidates are then carefully examined as to their intelligence and attainments, and their previous record is considered. The examination covers the ground passed over in certain grades of the city grammar schools. A graded list is then made out and submitted to the Board, which has for several years filled the vacancies by taking the candidates in the order of merit. The examination is conducted, in the presence of the President and a committee of the Board, by prominent professors or teachers invited for the purpose and unconnected with this school.

ENTRANCE EXAMINATIONS.

The applicants for appointment in June, 1888, were divided into four classes, according to their advancement, and separate examinations were given to the different classes. The examinations appended are those given to the most advanced and the least advanced of the candidates.

FOR THE MOST ADVANCED APPLICANTS.

Arithmetic.—1. Divide 30 by the decimal fraction three thousandths. 2. How many square inches in a floor 6 yd. long and 3 yd. wide? 3. If a man spends $\frac{1}{3}$

of his money at one store, ¼ at another, and then has 15 cents left, how much had he at first? 4. Reduce 3 T. 2 cwt. 4 lb. to ounces. 5. Reduce .875 to a common fraction.

Geography.—1. Name the countries of Europe bordering on the North Sea. 2. Bound Holland. 3. Describe the Danube. 4. Bound Maryland. 5. Name the States bordering on the Gulf of Mexico.

Reading.—From the Fourth Reader.

Dictation.—A test in writing, spelling, grammar and composition.

FOR THE LEAST ADVANCED APPLICANTS.

Arithmetic.—1. Write six billion one hundred and twenty-nine thousand and fourteen. 2. Multiply 8635276 by 9684. 3. Divide 963824767 by 9726. 4. Add 63245, 968376, 29864, 376853, 99999, 672853, 9654, 83926. 5. Twelve inches make a foot. How many feet are in 86340 inches?

Geography.—1. What ocean lies between Africa and Australia? 2. What is an island? 3. In what direction is Europe from Asia? 4. What is a mountain? 5. What is a strait?

Reading.—From the Third Reader.

Dictation.—A test in spelling, writing and composition.

REAPPOINTMENTS.

All appointments are made for the current scholastic year only, and expire on the first day of July next succeeding the date of appointment. As that day approaches, those scholars who have not completed their sixteenth year may make written application to the principal of the school for re-appointment for the succeeding year. The applications are approved or disapproved, and then forwarded to the Trustees. When the application is approved by the Faculty, the scholar is commonly re-appointed; otherwise he is dropped, and the vacancy filled in the usual way from outside.

SCHOLARSHIPS.

The regular term of residence which a scholar may by successive annual appointments enjoy in the McDonogh School terminates with the session in which he reaches his sixteenth year. But to encourage a spirit of excellence and attention to duty, as well as to furnish still further advantages to those who are most worthy, the Board has established scholarships, which are conferred as prizes at the end of each session on those boys who, up to the age of 16 years, have best improved the opportunities afforded them at the school. Recipients of these scholarships are entitled to the privileges of the school for an additional year, and are required, in consideration thereof, to perform such extra duties as may be assigned to them. Hitherto the Board has never extended this privilege beyond one year.

LENGTH OF SESSION.

The school session opens on the second Monday in August, and closes on the Saturday before the first Tuesday in June. It is divided into two terms, the second of which begins on the first of February.

FURLOUGHS AND VISITS.

Furloughs are given to all the boys for two or three days at Christmas to allow them to visit their homes or friends. A holiday varying in length from four to ten days, according to the standing of the boy during the preceding session, is also given at some time during the vacation months.

The afternoons of the first Saturday in April and the first Saturday in October are set apart for visits to the boys from their relatives and friends. At no other time, except on Commencement day, are visits to the boys permitted.

CATALOGUE OF THE SCHOOL.

SESSION 1887-88.

PRINCIPAL:

WILLIAM ALLAN, M.A., LL.D.

INSTRUCTORS:

D. C. LYLE, M.A., *Mathematics, German.*

WM. BALLARD SMITH, M.A., C.E., *Shop Work, Physics, Mathematics.*

THEODORE HOUGH, A.B., *Biology, History, English.*

SCHUYLER B. MOON, A.B., C.E., *Physiology, English, Geography.*

CHARLES H. SUMWALT, *Music, Drawing, Shorthand.*

MATRON:

MRS. JOSEPHA YOUNG.

NUMBER OF SCHOLARS.

At the close of the session of 1885-86 there were seventy-nine boys in the school. Eight of these, having completed their term of residence, were honorably discharged, and four others did not receive appointments for the following year. This left sixty-seven

boys in the school. In the summer of 1887 twenty-three other boys were appointed, raising the number in the school to ninety. Of the new appointees, six remained at the school only a short time, and the vacancies caused by their withdrawal were promptly filled by other appointees. Late in the session two other boys were required to withdraw, and their places were not filled. Thus at the close of the session eighty-eight boys were present.

RECORD OF THE SCHOLARS.

The record made by the boys in their classes for the session of 1887-88 is given below. The "standing," except when otherwise stated, is the average mark for the whole session of ten months, and is made out with reference to one hundred as the maximum.

FIRST CLASS.

GRADE.	NAMES.	STANDING.
1	Gilmor, Harry	77.7
2	Beauchamp, Henry Clay	76.8
3	Pattison, Hugh De Valin	76.4
4	Hauer, Daniel Jacob	75.3

SECOND CLASS.

GRADE.	NAMES.	STANDING.
1	Lanier, Harry Wysham	92.0
2	Macdonald, Robert Webster	80.1
3	Hall, Robert James	74.9
4	Sutton, Walter Percy	74.3
5	Johnson, John Wesley	74.1

GRADE.	NAMES.	STANDING.
6	Faulstich, Charles John	72.8
7	Coy, George James	70.7
8	Thomas, George Culbreath	70.6
9	Bishop, Walters McFarland	67.4
10	Stubbs, Norman Elmo	66.3
11	Fergusson, Alan Robb	63.2
12	Coyle, Edward Emory	62.2

THIRD CLASS.

GRADE.	NAMES.	STANDING.
1	Jordan, Walter Moseley	86.0
2	Robier, Harry Albert	80.9
3	Bruce, Charles Altvator	80.6
4	Burgess, William Ernest	79.1
5	Dillon, Jesse Lee	77.9
6	Ames, Edgar Allan Poe	77.8
7	Hopper, John Bartlett	77.2
8	Boullt, Harry	76.5
9	Doenges, Samuel Frederick	75.0
10	Placide, William Stirling	74.3
11	Steigelman, Columbus Norman	72.7
12	Martin, James Luther	72.6
13	Robb, Malcolm	70.7
14	Dames, John Homes	66.5
15	Brooks, Walter Littell	65.7
16	Thomas, Harry Crommel	65.5
17	Gambrell, James Henry	64.3
18	Chandler, William Sanger	62.2
19	Brown, Alexander Paul	62.1
20	Merryman, William Henry Brown	60.7
21	Moreton-Dyer, Percy Arthur	56.3
22	Walker, John Edgar	55.3

FOURTH CLASS.

GRADE.	NAMES.	STANDING.
1	Von Culin, Elon	86.3
2	Vollmer, Henry William	82.8
3	Ruehl, George	82.3
4	Thompson, Arthur Dorsey	82.2
5	Thrift, James Fleet	81.5
6	Brach, William Volant	80.0
7	Sparks, Erwood Richardson	79.1
8	McCabe, William Walker	78.5
9	Ray, Charles Wilson	74.9
10	Fitchett, Thomas Howard	73.4
11	Price, Charles Albert Robert	73.4
12	Burgess, Claude	70.1
13	Smith, Lee Carroll	69.4
14	Davis, George William	68.4
15	Cross, David Harman	67.0
16	Caulk, William Edgar	66.9
17	Caulk, David Howard	62.2

FIFTH CLASS.

GRADE.	NAME.	STANDING.
1	Trezise, Francis	86.9
2	Richardson, Alvin Leslie	85.2
3	King, Thomas	83.7
4	Nelson, James Arthur	83.5
5	Seager, Robert	80.1
6	Davis, Eldred Higgins	77.1
7	Scopinich, Antonio Jasper	75.7
8	Jones, Clifton Ashby	75.4
9	Kyle, James Watkins	74.1
10	Condon, William Howard	71.0

GRADE.	NAMES.	STANDING.
11	Kemp, Edwin Abel	70.5
12	Hurst, Sandy Lee	70.4
13	Jackson, William A.	68.7
14	Allnutt, Edmund Randolph	67.1
15	Evans, Arthur Eugene	65.9
16	Olmstead, Henry Hall	65.6
17	Barker, George	65.0
18	Benner, Hugh Gifford	61.4
19	Hart, Robert Edward Lee	58.7
20	Constance, Theodore	57.4

SIXTH CLASS.

GRADE.	NAME.	STANDING.
1	Walker, William Wesley	88.4
2	Howell, Harry Fulton	82.9
3	Crawford, John Robert	82.4
4	Price, William Jones	80.4
5	Gregg, John Newton	77.5
6	Jones, Milton Walter	76.1
7	Stewart, Marion Herold	73.4
8	Athey, Thomas Burch	73.0
9	Gautron, Alexander Jesse	70.8
10	Roever, Charles	69.4
11	Gray, Irven Bennett	63.5
12	Chavannes, Cecil Charles	63.3
13	Harris, Robert Clayton	62.3

COURSE OF STUDY.

The course of study pursued during the session 1887-88 by the different classes of the school was as follows:

The First Class studied half of Westlake's English Literature, and parts of Shaw's English and American Literature, with the reading of selected English classics, and weekly exercises in English composition; Thompson's History of England, and the chapters on the Civil War in Doyle's History of the United States; a hundred exercises in Ahn-Henn's German series, and two hundred pages of German prose; the first five books of Bradbury's Geometry; all of Gage's Elementary Physics; and had daily exercises in shorthand, mechanical drawing, and music throughout the year.

The Second Class studied Swinton's English Grammar, with weekly exercises in English composition, and the reading of selected plays of Shakespeare; Scudder's History of the United States; Martin's Human Body; a hundred exercises in Ahn-Henn's German series, and a hundred pages of Ahn-Henn's German Readers; Wentworth's Algebra to quadratics; and had daily exercises in shorthand, mechanical drawing, and music throughout the year.

The Third Class studied Swinton's English Grammar, with daily exercises in English composition; Appleton's Higher Geography from Europe to the end, with exercises in map drawing; two hundred exercises in Ahn-Henn's German series; Sadler's Arithmetic, from percentage to the end; the Descriptive part of Gray's How Plants Grow; all of Paul Bert's First Steps in Scientific Knowledge except Botany and Physiology; all of Bryant and Stratton's Book-keeping; and had

daily exercises in writing, free hand drawing, and music throughout the year.

The Fourth Class studied the second part of Harrington's Spelling Book; three hundred pages of Knox's The Parts of Speech and How to Use Them, with exercises in English composition; Appleton's Higher Geography, through Asia, with special study of the State of Maryland; Sadler's Arithmetic, to interest; and had daily exercises in reading, writing, free hand drawing and music throughout the year.

The Fifth Class studied the fist part and sixty pages of the second part of Harrington's Spelling Book; all of Abbott's How to Tell the Parts of Speech, with exercises in English composition; all of Appleton's Elementary Geography, with exercises in map drawing; arithmetic through compound numbers; and had daily exercises in reading, writing, free hand drawing and music throughout the year.

The Sixth Class studied the first half of Harrington's Spelling Book; ninety pages of Appleton's Elementary Geography; arithmetic through United States money; and had daily exercises in reading, writing, free hand drawing, English composition and music throughout the year.

SCHEDULE OF STUDIES.

The table below gives the number of hours of preparation and recitation assigned per week to the various

branches of study during the second term of the session of 1887-88.

CLASSES.	English.	Mathematics.	Drawing.	Music.	Geography.	Book-keeping.	Writing.	Shorthand.	German.	History.	Physiology.	Nat'l Science.	Physics.	Handcraft.	Total.
FIRST	3	8	2	2	...	...	..	4	7	4	...	...	5	9	44
SECOND	3	8	2	2	...	...	...	4	7	3	5	...	...	9	43
THIRD	5	9	2	2	...	4	...	...	6	...	...	4	...	9	41
FOURTH	8	8	2	2	4	...	2	...	4	...	...	...	...	9	39
FIFTH	9	8	2	2	5	...	2	...	..	...	...	...	...	9	37
SIXTH	9	6	2	2	5	...	2	...	...	...	...	...	...	9	35

TEXT BOOKS.

The following were used during the year: Harrington's Spelling Book, Swinton's English Grammar, Abbott's How to Tell the Parts of Speech, Whitney and Knox's Elementary Lessons in English, Knox's The Parts of Speech and How to Use Them, Scudder's History of the United States, Thompson's History of England, Doyle's History of the United States, Shaw's English Literature, Appleton's Geographies, the Ahn-Henn German series, Whitney's and Hart's German Texts, Whitney's and Adler's German Dictionaries, Spencerian writing books, Bryant and Stratton's Book-Keeping, Prang's Text Books of Art Education, Walton's arithmetical cards, White's Complete Arithmetic, Ray's Test Examples, Fish's Arithmetical Problems, Sadler's Hand-book of Arithmetic, Wentworth's Elements of Algebra, Bradbury's Geometry,

Martin's Human Body, Gray's How Plants Grow, Paul Bert's First Steps in Scientific Knowledge, Gage's Elements of Physics, Benn Pitman's Phonographic Manual, Pitman's Reporter's Companion, Eichberg's Music Reader.

RELIGIOUS INSTRUCTION.

A chapel service is held every morning, and the exercises of the school are closed with sacred music. The Rev. Wm. Strother Jones, rector of St. Thomas' parish, Baltimore county, holds regular services at the school every Sunday afternoon. Sunday forenoon a sermon or other suitable matter is read, or a talk is given to the boys; and at night systematic instruction in the Bible is given to the classes into which the school is, for this purpose, divided.

PRIZES.

A *Certificate of Distinction* is conferred at the close of each half session of the school upon every boy whose mark on the examination and final standing are each eighty per cent. or more in any three of his studies—one certificate being given for each group of three studies in which the requisite eighty per cent. is made. In awarding these certificates, spelling, reading, writing, book-keeping and drawing are counted as one study each; English, geography, German, history, physiology, chemistry, physics, mechanics and botany are counted as two studies each; and mathematics is counted as three studies.

Upon each boy who wins two or more of these Certificates of Distinction a *Certificate of Special Distinction* is conferred, if his grade is not below sixty per cent. in any one of his studies.

Certificates of distinction were awarded in accordance with the above scheme to a respectable proportion of the boys, and were conferred by the Principal at the close of the examinations in January and in May.

Certificates of Special Distinction were won at the examinations in January by the following boys, who passed satisfactorily all their examinations and made distinguished attainments in the required number of studies.

Second Class.—H. W. Lanier, R. W. Macdonald.

Third Class.—W. M. Jordan, H. A. Robier, C. A. Bruce, E. A. Ames.

Fourth Class.—E. Von Culin, A. D. Thompson, J. F. Thrift, G. Ruehl, E. R. Sparks.

Fifth Class.—F. Trezise, T. King, J. A. Nelson.

Sixth Class.—W. W. Walker, J. R. Crawford, H. F. Howell, W. J. Price, J. N. Cregg.

At the examinations in June, Certificates of Special Distinction were awarded to the following boys:

First Class.—H. Gilmor.

Second Class,—H. W. Lanier.

Third Class.—W. M. Jordan, C. A. Bruce, H. Boullt, W. E. Burgess.

Fourth Class.—H. W. Vollmer, E. Von Culin, G. Ruehl, A. D. Thompson, W. W. McCabe.

Fifth Class.—F. Trezise, A. L. Richardson, T. King, J. A. Nelson, R. Seager.

Sixth Class.—W. W. Walker, H. F. Howell, W. J. Price, J. R. Crawford.

Mr. CUSHING'S PRIZES.

At the close of last session Mr, Joseph M. Cushing again conferred two prizes, each a ten dollar gold piece, upon the boys in the first and second classes who had the highest standing in scholarship. They were presented on Commencement day to H. Gilmor of the first class and H. W. Lanier of the second class.

THE MERCER CUP.

This cup, presented by Charles H. Mercer, Esq., for use as a champion cup, is given each year to that boy (of those who are to return the following year) who has made the highest general average in his classes for the year, and whose deportment has also during that time been satisfactory. It was conferred at the Commencement in June, 1887, and again in 1888, upon H. W. Lanier.

DEBATING SOCIETY.

The Allan Debating Society, founded in 1878 by a number of the older boys in the school, was in successful operation during the past year. At the close of the session a gold medal, offered by the Principal to the best debater in the society, was conferred upon D.

J. Hauer; and two prizes offered by the society, one to the best debater among the smaller boys of the society, and one to the best reader, were conferred at the same time upon J. L. Martin and N. E. Stubbs, who were selected by the society as the recipients of these honors.

THE TAGART LITERARY SOCIETY.

In November, 1886, a number of boys organized themselves into a literary society with the special object of training themselves in reading. This new society was named the Tagart Literary Society, after the President of the Board of Trustees. Mr. Tagart offered a prize, consisting of valuable books, to be awarded by the society at the end of the session to their best reader, and Mr. F. C. Biggin, an alumnus of the school, offered a second prize, also of books, to be conferred at the same time upon the best reader among the smaller boys of the society. The first prize was won by H. A. Robier, the second by E. A. Ames. The society also offered a prize to their best declaimer. This prize was won by D. J Hauer.

SCHOLARSHIPS.

Prize scholarships for the session 1888-89 were conferred by the Board of Trustees at the commencement in June, 1888, upon H. C. Beauchamp, H. Boullt, C. Burgess, H. Gilmor, W. M. Jordan, N. E. Stubbs, and W. P. Sutton.

These scholarships, conferred, in accordance with the resolution of the Board as explained on page 13,

upon boys who have reached the age of sixteen years, entitle the holders to the privileges of the school for an additional year.

THE SCHOOL LIBRARY.

A library was begun in 1874 for the use of the scholars and officers of the school. It now contains about 2500 volumes, which have in great part been selected with reference to furnishing the boys with pleasant and healthful reading. Other books will be added from time to time, as means and opportunity permit.

ROUTINE OF DAILY EXERCISES.

The work of the day has been distributed as follows: The boys rise at 5 o'clock, make up their beds, and put their rooms in order. At 6.30, chapel exercises for fifteen minutes; then a lecture of fifteen minutes by the Principal on the current news of the day.

Breakfast at 7. At 7.50 recitations begin, and continue, with an intermission of fifteen minutes, until 1.15, at which time the school is dismissed with music, and the boys march out.

Dinner at 1.30. At 2.15, a squad or company drill for twenty minutes. The remainder of the afternoon is given to work in the shops and on the farm, and to play. Those boys, however, who fail on the morning recitations, are required to devote a part of the afternoon to making up the deficiency.

Supper at 6.30. At 7.30, the preparation of lessons

for the next day is begun, and is continued for an hour and forty-five minutes. At 9.10 all the boys are required to be in bed.

Saturday is given to play or to work, according to circumstances.

MILITARY TACTICS.

The school is organized into two military companies, and regularly drilled, in good weather, about twenty minutes a day. Only the simpler evolutions of squad and company drill are taught, without arms. Two captains, two lieutenants, six sergeants, and four corporals were appointed last year from among the boys. They not only had authority over the company while in ranks, but had considerable power and responsibility in the general management and discipline of the school. The officers during the past year were:

Company A.		Company B.
H. C. Beauchamp.	Captain	H. Gilmor.
H. D. Pattison...	Lieutenant.....	D. J. Hauer.
J. W. Johnson...	First Sergeant....	N. E. Stubbs.
H. W. Lanier....	Second Sergeant..	R. W. Macdonald.
J. G. Coy.....	Third Sergeant...	W. McF. Bishop.
A. R. Ferguson..	First Corporal....	W. L. Brooks.
E. R. Sparks.....	Second Corporal..	T. H. Fitchett.

OUTDOOR WORK AND MANUAL TRAINING.

All the boys are required to do certain work connected with the administration of the school, such as making up their own beds, cleaning rooms, etc.; but this is not looked upon as part of their manual training.

TIME ALLOTTED TO WORK.

During the school session of forty-two weeks, from August to June, a portion of the afternoons and of the Saturdays is devoted to manual work. The time so applied averages an hour and a half a day, or nine hours per week. At some time during the ten weeks of summer vacation the boys have a week or ten days in which to visit their friends. The remainder of the summer is spent at school, and is entirely devoted to manual training. During this period of two months the boys are employed in various kinds of work below noted, for six hours or more per day. It is in this portion of the year that the most effective part of their technical training is given.

FARM AND GARDEN WORK.

1. Almost every day, when the weather permits, squads, each under an officer, are sent to the farmer and the gardener. Work such as they can do is laid out carefully beforehand, and the squads are arranged with reference to their previous experience. With the exception of plowing and driving, for which they are too young, the boys are taught on the farm to perform all the operations requisite in planting, cultivating and harvesting crops of corn, grain, hay, potatoes, etc. In the same way they work in the garden, and are made acquainted by actual practice with the growing of all the vegetable crops, and the planting and cultivation of small fruits. A few learn how to manage hotbeds, and how to propagate trees and vines by buds, grafts and

cuttings. The squads and the boys are so arranged that each boy is practised in a large number of the most important operations of the farm and the garden.

2. Sometimes certain special tasks are assigned to the same boys for a considerable length of time. Thus one boy weighs and records the milk taken from the cows in the stable when they are milked in the afternoon, and he usually learns to milk them. Another, for months at a time, is trained as shepherd, and looks after the sheep. Two are regularly employed during part of the year in learning how to manage bees. They have charge, under proper direction, of from ten to twenty hives, and are made to perform all the operations of feeding and dividing hives, of raising and introducing queens and taking honey. Several boys have thus acquired during their school course a considerable knowledge of the elements of bee keeping.

MAP WORK, SURVEYS, ETC.

Two boys each year are taught to take weather observations in accordance with the regulations prescribed by the United States Signal Office. They record and reduce them, and transmit their report monthly to Washington on the blanks furnished to voluntary observers. Boys who show an aptitude in that direction are set to work at map and other drawing, and constitute a little drawing club where maps, plans and diagrams are prepared for use in the school. Frequently an engineer corps is formed to survey and map some portion of the farm. In this way the areas

of all the fields on the farm have been determined and plans of them made. A more extensive work of this kind was the construction of a full topographical map of the estate, showing the elevation at every fifty feet of horizontal distance. During the winter classes are formed in type-writing and short-hand, and while the bad weather lasts the hours usually devoted to outdoor work are spent by a number of boys in acquiring some knowledge of these subjects.

THE BARNUM SHOPS.

The valuable bequest of Dr. Zenus Barnum has enabled us to give a most useful extension to the manual training of the school.

1. The printing office, which has been in operation for several years, has been considerably enlarged, so that now nineteen boys at a time can be taught to set up type and to do press work. The school publishes a small four page weekly paper, "The Week," all the work on which is done by the boys. Besides this they print the yearly report of the Trustees and the catalogue of the school, as well as some other things. "The Week," which was designed to be a means of training in the use of language, is filled mainly with the contributions of the scholars, and its regular editor and reporters are boys of the school.

2. The wood working shop, which was opened in January, 1886, has been gradually extended so that during the session of 1887-88 a class of fourteen boys

was kept at work. They were supplied with benches and a full set of hand tools for wood work. The time allotted to work was about nine hours per week. One afternoon was devoted to drawing, the others to work at the bench. The class was taken over a course in wood work consisting of twenty-four lessons. When they had attained a reasonable degree of proficiency in these lessons, they were made to apply them to the construction of some simple articles. In this way they constructed a number of benches, tables, desks, tool cupboards, pieces of apparatus for the laboratories, etc. The boys engaged in the Barnum shops have but little farm or garden work to do.

OTHER WORK.

In addition to the above, small jobs, such as cutting wood, cleaning up grounds, etc., are provided for the more inexperienced boys, and also to give other means of working off demerits. Outside work is assigned as the penalty for many minor offences, in place of the extra indoor tasks usually set in schools, or the extra tours of guard duty required in military academies.

All work is carefully estimated and paid for by good marks, or "credits." A book is kept in which is entered to his credit daily all the work outside of school that a boy does. On the same book all the demerits are charged. The account is footed up weekly, or oftener when desirable, and shows the scholar's general standing for deportment. Sundry privileges and advantages are given to boys who keep their accounts on the credit side of the ledger.

DONATIONS.

The following gentlemen made gifts to the school in the course of the session:

Mr. Robert Baldwin.—A fine pastel portrait of the late Mr. Robert T. Baldwin, who was for sixteen years one of the Trustees of McDonogh School.

Gen. J. C. Duane.—Report of Civil Service Commission; Report of Chief of Engineers, 1886, parts 1, 2, 3; 1887, parts 1, 2, 3, 4.

Lieut. S. Arnold, U. S. N.—Japanese Buddhist temple bell, and Japanese mirror.

Miss K. Creager.—Two Gray Tourists, Sea beans from Florida.

Dr. L. H. Steiner.—Report of Enoch Pratt Free Library, 1887.

Gen. A. W. Greely.—Report of Chief Signal Officer, 1886.

Mr. D. L. Bartlett.—Geological Survey of U. S., 1882–83.

Dr. A. C. H. Russell, U. S. N.—Japanese counter.

Mr. A. J. Scopinich.—Whale's tooth from Bermuda.

Hon. L. Q. C. Lamar.—Smithsonian Report, 1885.

Mr. C. C. Chavannes.—Lace bark from Jamaica.

Mr. D. J. Hauer.—Harvey Compton's Holiday.

Mr. H. L. Gantt.—Clippings from steel lathes.

Mr. J. H. Gambrell.—Coral from Porto Rico.

Examination Papers.

In addition to special examinations in certain classes held at various times during the year, there are two general examinations for the whole school, one at the end of the first half session, the other at the end of the school year. The following are some of the examinations that were given in May, 1888.

FIRST CLASS.

PHYSICS.

Light and Sound, in Gage's Elements of Physics. Time, 3 hours.

1. Explain, using a diagram, wave length, amplitude, nodes and antinodes, in a vibrating string or wire. How can you determine by experiment whether or not sound can be propagated through a vacuum? Upon what does the velocity of sound in gases depend? The density of hydrogen is 1, that of oxygen is 16; their elasticity being the same, how will the velocity of sound in the two gases compare? Illustrate how concave reflectors can be used to collect sound. Sound travels in air from A to B; show how a gas, denser than air, interposed between A and B, will intensify the sound at B.

2. The resonance tube of a given tuning fork is 22.26 cm. long; find the wave length of this fork and the number of vibrations it makes per second. State the distinction between noise and musical sound? Upon what does the pitch of sound depend? Given a siren and a tuning fork; how can you find the pitch of the latter? When will notes sounded together produce a beat? Describe the different methods of producing a wide range of pitch in a piano or any stringed instrument. Draw a diagram of a manometer, and explain the manometric flames. Draw a diagram showing the position of the nodes and antinodes for the fundamental and first and second overtones of a closed organ pipe and of an open one.

3. Make a diagram of a ray, a pencil and a beam of light. Show, using a diagram, how intensity of light varies with distance. Light from an object falls upon a mirror and is reflected to a screen; explain why you often see several images of the object and illustrate. Explain what is meant by transparent, translucent, opaque, luminous and illuminated bodies. How is velocity of light determined? Illustrate.

4. Show by a diagram the cause of an eclipse of the sun. When an object is between the principal focus and the centre of curvature of a concave mirror, construct the image. A bright object is put into a basin of water; show the path of a ray of light from it into the air. Show what an optical prism does with a ray of light. There are two kind of lenses, and three

lenses of each kind; draw the six lenses and state the main difference between the two kinds. Explain what is meant by conjugate foci. When an object is between the principal focus and the optical centre of a double-convex lens, construct the image. Explain the electrophorus.

ENGLISH.

About half of Shaw's Literature. Time, 3 hours.

Write a brief biography of Shakespeare, make a classification of his plays and give your views of his comprehension of nature and his delineation of character. Tell what you know of Addison and Steele, and their periodicals. Write a composition on the life and works of Sir Walter Scott. Discuss the main periods of American literature, and the influences at work in each period.

GEOMETRY.

Three books of Bradbury's Geometry. Time, 3 hours.

1. Prove the following propositions: The longest and the shortest line that can be drawn from any point to a given circumference lies on the line that passes from the point to the centre of the circle. If two straight lines are cut by three or more parallel planes, the lines are divided proportionally.

2. Solve the following problems: Through a given point in the sides of a given angle draw a line so that the segments included between the point and the sides of the angle may be in a given ratio. Two similar

polygons being given, construct a polygon similar to each of them and equivalent to their sum. Given the base of a triangle, the smaller of the two angles at the base, and the difference of the sides, construct the triangle. Parallel to the base of a given triangle draw a line equal to the sum of the lower segments of the two sides. A tangent is a mean proportional between a secant from the same point and the part of the secant outside the circle.

SECOND CLASS.

PHYSIOLOGY.

All of Martin's Human Body. Elementary Course. Time, 3 hours.

1. Describe fully the beat of the heart, the acts that take place during a cardiac period, the working of the mitral and tricuspid valves, the use of the papillary muscles, and the function of the auricles. State what changes are produced in air by breathing, and discuss each of them. Make a drawing of the bladder, the kidneys, and their main blood vessels. Tell how urea and water are separated from the blood. Of what parts is the skin made up? What are hairs and nails? What are the glands of the skin?

2. What is meant by the co-operation of the organs of the body? Give examples. What parts would be cut in making a cross section of the spinal cord? Describe a reflex action. Give examples. Into what two

classes are nerve fibres divided? What happens if either of these is cut, or injured, the other being unhurt? Make a drawing of a section of the eye, showing and naming its parts. What is refraction of light? What parts of the eye serve for this purpose? What is short sight? long sight?

HISTORY.

Scudder's History of the United States, to the outbreak of the Civil War. Time, 3 hours.

1. What had the payment of the Revolutionary debt to do with the formation of our Federal Government? Discuss this as fully as you please.

2. What was the Monroe Doctrine? What was the cause of the annexation of Texas, and what presidential campaign was fought out on that issue? Tell how the United States obtained undisputed possession of the Oregon territory. What was the Kansas-Nebraska bill, and what were the general results of its passage.

GERMAN.

Fifty exercises in Ahn-Henn's Rudiments, Second Course, and eighty pages of Ahn-Henn's German Reader. Time, 2 hours.

1. Translate into English: Nicht für die Schule, sondern für das Leben lernen wir. Kein Haus ohne Maus, ohne Spreu kein Korn, keine Rose ohne Dorn. Die Holländer schützen sich durch Dämme gegen das Meer.

Mit dem Hute in der Hand kommt man durch das ganze Land. Auch die Thiere sind erkenntlich gegen ihre Wohlthäter. Die Zahl der Thiere, die dem Menschen gefährlich werden können, ist sehr klein gegen die Zahl derjenigen, welche ihm Nutzen oder Vergnügen verschaffen. Und die Sonne machte den weiten Ritt um die Welt, und die Sterne Sprachen: wir reisen mit um die Welt. Die Landleute arbeiten im Sommer von 4 Uhr Morgens bis 8 Uhr Abends. Um die Mitte des Sommers treiben die Arbeitsbienen die faulen Drohnen aus dem Bienenstock. Es ist ein allgemeines Gesetz, dass die Körper sich durch die Hitze ausdehnen und sich durch die Kälte zusammenziehen. Die Pflanzen können ohne Licht und Luft nicht wachsen.

2. Translate into German: Where do the swallows go when they leave us? George, George! Here I am. Have you been in my room, while I was gone to the postoffice? How will you deceive your father? My teacher went to California on account of his health. These boys stand in the water. Do you see what they are doing? Yes, they have caught a fish. Is Mr. Drinkwater at home? Can you tell us where he is gone? No, he said nothing when he went out. Where are you going, Lucy? You seem to be in a great hurry.

3. Translate into English: Du wünschest zu wissen, was für eine Aussicht ich von meinem Zimmer habe. Wie Du mich da in Verlegenheit bringst! Denn ich habe eigentlich gar keine Aussicht, wenigstens nicht in dem Sinne, den man gewöhnlich damit verbindet. Das

Zimmer geht auf den Hof hinaus. Gegenüber ist eine hohe Mauer, die den engen Hofraum von dem Garten des Nachbars trennt. In den Garten selbst kann ich nicht sehen. Nur ein einziger Baum ragt mit seiner Spitze über die Mauer hervor. Es ist ein Birnbaum; er steht jetzt in schönster weisser Blüthe. Das ist in der That alles, was ich von der lieben Natur vor mir habe.

THIRD CLASS.

NATURAL SCIENCE.

All of Paul Bert's First Steps in Scientific Knowledge, except the subjects of Botany and Physiology. Time, 3 *hours.*

1. In a cask, water stands at the height of 5 feet; the area of the bottom of the cask is 18 square feet; the area of the water at the surface is 20 square feet; what is the total pressure on the bottom of the cask, supposing that one cubic foot of water weighs 5 pounds? Prove that there are two kinds of electricity, and that like electricities repel each other, and unlike attract. How does a lightning rod protect a building? What is the difference between a mixture and a combination of two substances? How could you separate from the oxygen and nitrogen mixed with it the carbonic acid gas which you breathe out of your lungs?

2. Tell how you would distinguish these gases from one another; hydrogen, oxygen, nitrogen, carbonic acid, carbonic oxide. Hydrochloric acid is a com-

pound of hydrogen and chlorine ; magnesia is a compound of magnesium and oxygen ; if you put the two together, what changes would you expect to take place ? Give the names of the substances you have after union has taken place, and tell what simple bodies are in each.

3. How would you tell an acid from a base ? What substances are in sulphate of calcium, nitrate of soda, lime, phosphoric acid, iron sulphate ? How far will one pound of iron fall in 7 minutes ? How far will 7 pounds fall in the same time? Draw and explain a diagram showing how the electric telegraph works.

BOOK-KEEPING.

All of Bryant and Stratton's Common School Book-keeping, with supplementary exercises. Time, 2 hours.

1. Journalize and post the following day book: James Brown and John Smith form a partnership for the transaction of the dry goods business, the profits and losses to be divided at time of closing ledger according to the amount each has in the business at the time. September 1st, Brown invests cash $7,300 and F. A. Ayres' note, due September 10th, for $500. Smith invests account with Howard Bank $7,800 and C. A. Bruce's note, due September 12th, for $350. The firm assumes Smith's note to Rice Brothers for $800, due September 30th.

September 2d, the firm bought of John Wanamaker

800 yards broadcloth at $1.75. Paid by check on Howard Bank. September 3d, deposited in Howard Bank cash $6,500. September 5th, bought of Houston & Rowe, on account, 1,000 yards calico at 7 cents. September 6th, sold Hawkins & Co., for check on Western National Bank, 50 yards broadcloth, at $1.75. September 7th, deposited this check in Howard Bank. September 10th, received payment in cash of F. A. Ayres for his note. September 11th, sold George A. Ammon 600 yards calico at 8½ cents, and received in payment his note at 30 days. September 12th, bought of H. Thomas & Co. for cash, 500 yards silk at $1.50, and 850 yards gingham at 12½ cents. Received payment in cash for C. A. Bruce's note, due this day.

September 14th, sold E. R. Kinsley, for his note at one month, 850 yards gingham, at 10 cents. Loaned W. R. Raleigh $2,300, for which we received his note at 10 days. Gave him check on Howard Bank. September 16th, sold Barker & Aldyce, for cash, 250 yards alpaca, at 85 cents. September 18th, paid cash for store rent, $40. September 20th, bought of John Wanamaker 750 yards silk, at $1.25. Paid with Kingsley's note $——, cash $500, rest by check on Howard Bank. September 25th, drew check on Howard Bank for $800. Received payment of W. R. Raleigh by check on the Baltimore National Bank. September 30th, deposited this check in Howard Bank. Paid Rice Brothers' note against us by check on Howard Bank. September 30th, inventory of unsold goods amounts to $2,134.00.

2. G consigns to C 4,000 bushels wheat, which cost 73 cents a bushel. G pays freight $75. C pays cartage with his check on Wilson Bank $35. He sells the consignment to E at 75 cents a bushel, and receives in payment cash $700, E's sight draft on G $500, E's time draft on M $1,000, rest on account, C charges one-half per cent. commission and renders his statement. Make G's entries when he pays freight, sends the consignment, receives C's statement; make C's entry when he pays cartage, sells consignment, charges commission. Make also C's statement, E's entey when he buys, G's entry when he pays the sight draft, and M's entry when he accepts the time draft.

GERMAN.

Fifty exercises in Ahn-Henn's Rudiments, Second Course. Time, 2 hours.

1. Translate into German: The beaver is about forty inches long, and twenty inches high; of it fine fur hats are made. The houses and streets in nearly all our large cities are lighted with gas. The book is now being printed. The bridge was built a year ago. Charles is very obedient, he is loved by his uncle and aunt. The grass has been dried; now it is hay. Is the path of duty always the easiest? Iron is not bright and beautiful like gold and silver, but it is the most useful of all metals.

2. Translate into English: Der Korb schwimmt auf dem Wasser, folglich ist er leichter als das Wasser.

Wie gewonnen, so zerronnen! Die Seide wird von einem kleinen Wurm gesponnen. Der Wein ist aus dem Fass geronnen. Wann beginnen eure Ferien, Kinder? Die haben schon vor drei Wochen begonnen, Onkel. Auf dem see im Walde schwammen vier wilde Enten. Dem kleinen Bertram gefiel nichts im Hause so gut, wie das Spinnrad; er konnte Stunden lang sinnen und die Spindel und das Rad beobachten, wenn seine Mutter spann. Wer viel gewinnt, kann viel verlieren.

3. Translate into English: Gute Bücher bilden Herz und Geist. Die Quäker tragen Hüte mit breiten Rändern. Kinder besehen zuerst die Bilder eines Buches. Ich Weiss euch eine schöne Stadt, die lauter grüne Häuser hat. Im Walde ist es kühl und frisch; deshalb gehen wir im Sommer gern in den Wald. Kein vernünftiger Mensch glaubt in unserer Zeit noch an Gespenster. Ein hartes Wort ist wie ein scharfes Schwert. Ein Schüler ohne Bücher gleicht einem Wagen ohne Räder. Kleider machen Leute. Die Jäger tragen grüne Kleider.

FOURTH CLASS.

ENGLISH.

The hundred pages of Knox's The Parts of Speech and How to Use Them. Time, 5 hours.

1. Write a composition of 250 words on "Brave and Bold."

2. Copy these sentences and mark the subject of

each: Where shall rest be found? Study your lesson. That he hath wronged me appears in this. What a beautiful day it is! What did you do? Fill the following blanks with suitable pronouns: It is —— and —— that are here. It is —— who doest all things well. She is as old as ——. Fill the following blanks and tell why you think you have used the right form of the verb: Twice twelve —— twenty-four. The jury —— agreed that he was guilty. Either of these pencils —— long enough. He, she, or I —— to blame for this. His family —— large.

3. Fill blanks correctly: Not one of us —— a pencil Neither good —— evil was spoken. —— whom they seek is absent to day. Lucy or I —— the person. She is free —— pain. Give use and case of each italicised word: *We* not recognizing *him*, *they* passed us. We remained a *fortnight*. Thou art the *man*. We freely forgive our *friends* their faults. Point out phrases and clauses used as nouns in the following, and tell of what use each one is in the sentence: He wishes to go. To know little is a misfortune; to boast much is a fault. They were told when to jump. His words were, "Never give up the ship." She is doing very well except that she cannot sleep.

4. Define the following words: Sculptor, granary, suite, soiree, alumni, debutante, canon, matinee, menu, altitude. Fill the following blanks and give reasons for using the word you supply: Let every pupil be ready to take — slate with —. The infant extended

— hand for a light held near —. A wise teacher requires — boys and girls to obey —. If a sovereign rule wisely — will command the respect and confidence of those whom — governs. A writer wishes to — what will please those for whom — writes.

5. Fill blanks correctly, and tell why you use the word you supply: Let any boy guess the riddle if —— can. Every person should mind —— own business. Every animal has some weapon with which —— can defend ——. Should the gentleman or his sons arrive, bid —— welcome. Julia or Lena will favor us with —— company. Write correctly: This path leads to a gentleman's house that is going to Europe. The printer and bookseller are here. The girl asked her mother how old she was. Write the address only on this side. Wanted a boy to open oysters fifteen years old.

ARITHMETIC.

From Percentage to Interest. Time, 3 hours.

1. What number increased by $\frac{1}{4}$ of 25 per cent. of itself equals 867? By selling a farm for $3500 the owner loses $12\frac{1}{2}$ per cent., what per cent. will be gained by selling the farm for $5000? If by selling goods for $16\frac{2}{3}$ per cent. profit a merchant clears $749, what is the cost of the goods? A young man established a newspaper subscription agency; his expenses were $18.50 per month, and his commission 20 per cent.; during 1888 he received 130 subscriptions at $6 each, 142 at $4, 360 at $2, 182 at $1.50, and 573 at $1; what was his net income for the year? A worked B's

farm of 320 acres for one year on shares; A received 25 per cent. of the gross receipts for his labor, and the balance was divided equally; wheat was raised on the entire farm; the yield was 28 bu. to the acre, and the wheat was sold at $1.12½ per bu.; find B's share of the profits.

2. At what per cent. must a bookseller mark books that cost $1.20 in order that he may throw off 10 per cent. to a student and still make 20 per cent.? What must a merchant ask for boots that cost $3.69 a pair that he may take off 10 per cent. from the price he asks, and yet make a gain of 25 per cent.? A's money is 50 per cent. more than B's; how many per cent. more than B's is A's? I sent $12,300 to my agent in New York with which to purchase flour at $10 a barrel; after deducting his commission at 2½ per cent. how many barrels did I get? A merchant in Baltimore imports from Havana 250 hhd. molasses, each containing 63 gal., invoiced at 35 cents a gallon; 150 hhd. sugar, each containing 500 lb., invoiced at 6 cents a pound; 50 boxes lemons, invoiced at $2.50 a box; and 95 boxes oranges, invoiced at $3 a box. What was the whole amount of duty, estimated at 24 per cent. on molasses and sugar, and 9 per cent. on lemons and oranges?

3. A merchant sold flour at $6.50 a barrel, and gained 10 per cent.; he afterwards sold the same kind of flour at $8.25 per barrel; what per cent. did he gain at the latter price? An agent bought cotton for a manufac-

turer, charging ½ per cent. commission; the total bill for cotton and commission was $17,487; what was the agent's commission? If 44 per cent. of the workmen were discharged and 98 workmen were kept, how many were discharged? I sold two farms, at $1920 each; on the first I gained 20 per cent.; on the second I lost 20 per cent.; what per cent. did I gain or lose on the two? Sold two carriages, at $240 apiece, and gained 20 per cent. on one and lost 20 per cent. on the other; how much did I gain or lose in the transaction?

FIFTH CLASS.

ARITHMETIC.

Through denominate number. Time, 3 hours.

1. McDonogh Farm contains 835⅔ A.; what is its value if the land is worth $125⅝ per acre? Divide 684⅝ mo. by 36, short division. A man has $1234¾, and spends $15.60 every week; how many weeks will his money last? Reduce .3125 to a common fraction in its lowest terms. Reduce twelve thirty-seconds to decimal fraction, by short division. Reduce 3.95⅝ to a pure decimal. Reduce .2666⅔ to hundredths. I have $10433.75 in bank; A owes me $6275.4⅝; B owes me $3261.823½; how much am I worth? A man had two thousand two hundred and forty-three and twenty-five hundredths acres of land, and sold 124.362½ A.; how much had he left? I have $25.35; and John has 15.24 times as much; how much has John? Divide 34.65 bu. by 12.032 bu.

2. Find the greatest common divisor of 224, 648, 1278. Add $15\frac{3}{4}$ lb., $5\frac{1}{8}$ lb., $19\frac{3}{8}$ lb., $15.8\frac{1}{8}$ lb. A farmer sold to one person $28\frac{3}{4}$ A. of land, to another 35.2 A., to another 25.3 A., and to another $40\frac{7}{8}$ A., how much land did he sell in all? Find the difference between $258\frac{1}{3}$ da., and 175.6 da. A person whose age is 63 yr. is 25 yr. 10 mo. older than his son; what is his son's age? I had $125\frac{1}{4}$ yd. of carpet; at one time I sold $26\frac{3}{8}$ and at another time $47\frac{1}{2}$ yd.; how much had I left? Multiply \$136 by three hundred and fourteen and three sevenths.

3. Reduce 6 fur. 38 rd. 3 yd. 2 ft. to inches. Reduce 1914228 dr. to tons. A man traveled 1 yr. 40 da. 3 hr. in Asia; 2 yr. 300 da. 5 hr. in Europe; 1 yr. 280 da. 14 hr. in North America; 360 da. 5 hr. in South America; 1 yr. 10 da. 20 hr. in Oceanica; how long was he engaged in traveling? A debt made Feb. 23, 1871, was not paid until Nov. 15, 1883. How long did it remain unpaid? A note, dated Mar. 18, 1884, was paid Jan. 19, 1885; what is the exact number of days that it remained unpaid. If an acre of land will produce 6 bu. 3 pk. 5 qt. of berries; how much will 25 A. produce? If 225 gal. 3 qt. 1 pt. 2 gi. of wine be equally divided among thirty men, what will be the share of each man?

GEOGRAPHY.

All of Appleton's Elementary Geography. Time, 3 hours.

1. Describe the Connecticut, Potomac, Colorado, Mackenzie, and Amazon rivers. What rivers flow into the Caspian Sea? Name three rivers of Siberia, and

the two chief rivers of Australia. Bound South America, Africa, Kentucky, and Utah. Locate Washington, San Francisco, Monte Video, Munich, Paris, Monrovia, Calcutta, Melbourne. Tell what you know about the people of western Africa. For what are the Swiss celebrated? Locate the Grampian Hills and Mozambique Channel.

SIXTH CLASS.

GEOGRAPHY.

All of Appleton's Elementary Geography. Time, 2 hours.

1. How could you go from Bombay to Athens by water? Name the highest mountains of Asia. What water is between Persia and Arabia? In what direction is Africa from Asia, and what separates the two continents? Give four reasons why Africa is behind all the other Grand Divisions in civilization. Describe the Nile, the Niger. What countries of Africa touch the Mediterranean Sea? Name the capital and the largest city of Egypt. What hemisphere contains most land? To which does Australia belong? What is the principal isthmus of the Eastern Hemisphere? of the Western? Locate Melbourne and Sydney.

2. Of what does the United States form a part, and what great mountain systems cross it? Name the lakes on the northern boundary. In what zone is Central America, and by what line is that zone bounded? How does the temperature change as you leave the equator? What country is south of Central America? Name three of its largest rivers. Name its largest country,

some product of that country, and its capital. Locate the English Channel. Name two rivers emptying into it. Name two rivers of Russia flowing into the Black Sea. Mention six islands in the Mediterranean Sea. Locate London, Constantinople, St. Petersburg, Naples, Stockholm, and the capital of Italy. Name the highest mountains of Europe. Name five seas east of Asia. What two large peninsulas project from the south of Asia, and what waters do they separate?

ENGLISH.

Class exercises in English composition. Time, 1½ *hours.*

1. Write a composition at least thirty lines in length about the story that was read to you.

2. Write a letter of twenty lines or more.

CATALOGUE OF ALUMNI.

INSTRUCTORS.

W. Allan, M. A., LL.D. Principal. Appointed July, 1873.

D. C. Lyle, M. A. Appointed November, 1873.

J. Kruttschnitt, B. S., C. E. Appointed November, 1873. Resigned June, 1878. Assistant Superintendent of the Eastern division of the Southern Pacific Railway, New Orleans, La.

A. C. H. Russell. Appointed July, 1874. Resigned August, 1877. M. D., University of Virginia, 1878. Assistant Surgeon U. S. Navy, 1879. Passed Assistant Surgeon U. S. Navy, 1882. On duty at U. S. Naval Academy, Annapolis, Md.

S. T. Moreland, C. E., M. A. Appointed August, 1876. Resigned August, 1880. Professor of Physics in Washington and Lee University, Lexington, Va.

D. C. Humphreys, C. E. Appointed August, 1878. Resigned April, 1879. Assistant Professor of Engineering in Washington and Lee University, Lexington, Va.

Wm. I. Jones. Appointed August, 1877. Resigned August, 1879. Traveling agent for Shaw & Thomas, dealers in spices and baking powders, New York city.

H. Lee Sellers, M. A. Appointed April, 1879. Resigned July, 1881. Principal of the Ball High School, Galveston, Texas.

H. L. Gantt, A. B. Appointed August, 1880. Resigned August, 1883. M. E., Stevens Institute of Technology, June, 1884. Reappointed June, 1886. Resigned July, 1887. Member of American Society of Mechanical Engineers, 1888. Assistant to the Chief Engineer of the Midvale Steel Works, Nicetown, Philadelpia.

John Hemsley Johnson, A. B. Appointed August, 1881. Resigned August, 1886. B. L., University of Maryland, 1887. Lawyer, 207 North Calvert street, Baltimore, and Editor of the *Civil Service Reformer*.

Charles H. Sumwalt. Appointed August, 1881.

Wm. J. Witzenbacher, A. B. Appointed August, 1883. Resigned July, 1886. Admitted to the bar of Washington county, Maryland, November, 1886. Lawyer, Hagerstown, Md.

Solon Arnold, U. S. N. Appointed August, 1885. Resigned June, 1886. Cadet Engineer on U. S. S. *Boston*, Brooklyn Navy Yard.

Theodore Hough, A. B. Appointed June, 1886.

William F. Smith, A. B. Appointed July, 1886. Resigned August, 1887. Student of medicine, College of Physicians and Surgeons, Baltimore.

Wm. Ballard Smith, C. E., M. A. Appointed July, 1887.

Schuyler B. Moon, A. B., C. E. Appointed August, 1887.

THE ALUMNI ASSOCIATION.

For several years an association of the Alumni of the McDonogh School has existed, whose reunions have been well attended. This society now embraces all the Alumni, and in the future any student upon completing his course here may become a member by sending in his name to the Secretary. The annual meeting of the society is held on the 4th of July, at McDonogh, and a reunion and a banquet take place during the win- in Baltimore. The last annual meeting (July 4, 1888), was an unusually large and pleasant one. At this meeting the following officers were elected for the year 1888–89 :

PRESIDENT.....J. S. MEDAIRY.
VICE PRESIDENT.....C. D. LANIER.
SECRETARY.....J. V. SMITH.

At the same time Mr. D. C. Lyle was requested to deliver the annual address on July 4, 1889.

THE ALUMNI.

1874.

Ashlock, Charles Marion. December, 1873—June, 1874.

Baker, George Franklin. January, 1874—June, 1874.

Carlisle, Edward Grafton. November, 1873—June, 1874. Driver for the Merchants' Parcel Delivery Company, Baltimore.

Cook, Joseph Thomas. November, 1873—July, 1874.

Keller, Samuel Frederick. November, 1873—October, 1874.

Scrimger, Harold Bruce. December, 1873—July, 1874. Stationer and bookseller, 20 East Lexington street, Baltimore.

Switzer, George Washington. January, 1874—July, 1874.

1875.

Adreon, Christopher Columbus. November, 1873—June, 1875. D. D. S., 1884. Member Maryland Dental Society, 1884. Dentist, 1128 Pennsylvania avenue, Baltimore.

Baker, John Lee. November, 1873—February, 1875.

Clark, George Beauregard. December, 1873—February, 1875. Farmer.

Cochrane, Charles Edward. November, 1873—August, 1875. Chief clerk for foreign business, Northern Central Railway, Pier 3, Canton, Baltimore.

Criss, Lloyd Parks. December, 1873—February, 1875. In business in Texas.

Hutchinson, Robert James. August, 1874—February, 1875.

Jarrett, Henry Millington. November, 1873—July, 1875. Assistant city editor of the Boston *Daily Globe.*

Judson Edward Stoubt. February, 1875—June, 1875. Commission merchant, Los Angeles, California.

McDuffie, Archibald Fitzhugh. February, 1874—February, 1875. Removed to Florida.

Mealy, Alfred Eugene. November, 1873—January, 1875. Shipping clerk for Gilbert Brothers & Co., manufacturing and wholesale druggists, 110 South Howard street, Baltimore.

Person, Samuel Jones. January, 1874—June, 1875. Lawyer.

Rourke, William. January, 1874—July, 1875. Painter for the Rowland Plow Company, 822 South Howard street, Baltimore.

Smith, Franklin. November, 1873—July, 1875. Pattern maker.

Stewart, William Francis. January, 1874—May, 1875. Manager of a line of stage coaches in California.

Stocksdale, Jacob Papplar. November, 1873—July, 1875. Wholesale lumber merchant, 78 and 80 Wall street, New York, and 413 Walnut street, Philadelphia.

Taliaferro, Gawin Corbin. December, 1873—February, 1875. Soldier in the United States Army in the West.

1876.

Barton, Lewis Philip. January, 1874—May, 1876. Brakeman on the Chicago, St. Louis and Pittsburgh Railroad, Indianapolis, Ind.

Burgan, Charles Edward. July, 1874—May, 1876. Book-keeper for Wm. M. Burgan, lumber, 213 Eastern avenue, Baltimore.

Cutino, Andrew Vincent. November, 1873—July, 1876. Salesman for H. W. Webb & Sons, hardware, 120 East Pratt street.

Emerein, Adolphus. July, 1874—August, 1876. Farmer, near Janesville, Wisconsin.

Finney, John Alphonso. March, 1874—July, 1876. Honorary scholar 1875-6. Order clerk for Poole & Hunt, iron founders and machinists, Woodberry, Baltimore.

Haney, Charles Knowles. January, 1874—December, 1876. Honorary scholar, 1876-7. With Ehlen & Co., cider and vinegar makers, 21 West Lombard street, Baltimore.

Hook, Richard Franklin. November, 1873—July, 1876. Honorary scholar, 1875-6. Civil engineer of the firm of Jones, Thorn & Hook, contractors for extending the Harford Run sewer, Waverly, Baltimore.

Hynson, Percy Ringgold. January, 1874—October, 1876. Member of the firm of England & Hynson, commission merchants, 328 North street, Baltimore.

Mealy, James Nelson. December, 1873—July, 1876. Honorary scholar, 1875-6. Merchant and farmer, Newville, Braxton county, West Virginia.

Medairy, John Sommerfield. November, 1873—May, 1876. Depot manager U. S. Express Company, Barre and Howard streets, Baltimore.

Nullet, George. January, 1874—May, 1876. Platform man, U. S. Express Company, Barre and Howard streets, Baltimore.

Smith, Horace Lawrence. November, 1873—May, 1876. Honorary scholar, 1875-6. Dealer in coffee and molasses, Commerce street and Exchange Place, Baltimore.

Straughn, William Lawrence. July, 1874—September, 1876. Honorary scholar, 1876-7. Assistant book-keeper for Thomas Bond & Son, produce commission merchants, 216 Light street, Baltimore.

Underwood, Harry. November, 1873—July, 1876. Machinist with Bartlett, Hayward & Co., iron founders and machinists, Scott and Pratt streets, Baltimore.

Vogt, George Warner. November, 1873—August, 1876. Died 1878, aged 17.

Willis, Hervey. January, 1874—May, 1876. Machinist Mount Clare Works, Baltimore & Ohio Railroad, Baltimore. Died August, 1880, aged 21.

1877.

Bond, George Lednum. November, 1873—May, 1877. Foreman of the printing office of the Patapsco Baking Powder Company, 402 South Eutaw street, Baltimore.

Dawson, Charles Francis. November, 1873—May, 1877. Janitor of the Biological Laboratory of the Johns Hopkins University, Baltimore.

Dunn, James William. August, 1874—August, 1877. Artist and photographer, 609 East Chase street, Baltimore.

Gibbons, Francis Marion. October, 1876—July, 1877. Member of the Primrose Quartette of professional singers, 1205 Jackson street, Baltimore.

Gilmyer, William. June, 1875—May, 1877. Blacksmith in a carriage factory near Catonsville, Md.

Harding, Charles Howard. February, 1874—January, 1877. Clerk with Moses Cohen & Sons, dry goods, 29 Hopkins Place, Baltimore.

Harding, William Henry. November, 1873—January, 1877. Secretary of the Baxter Electric Manufacturing and Motor Company, and secretary of the National Electric Light Association, 11 South street, Baltimore.

Jones, William Irving. November, 1873—July, 1877. Honorary scholar, 1876-7. Teacher on the McDonogh farm, 1877-9. Instructor in Music in McDonogh School, 1877-9. Traveling agent for Shaw & Thomas, dealers in spices and baking powders, 74 Warren street, New York.

King, John Clinton Foulk. December, 1873—March, 1877. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Kolb, William Albert. June, 1875—May, 1877. Member of Association of Chesapeake Bay Pilots. Died February 1, 1888, aged 26.

Medairy, Charles Marshall. December, 1873—February, 1877. Cashier of the B. & O. branch of the U. S. Express Company, corner Canal street and Broadway, New York.

Nicols, Jeremiah Dorsey. January, 1874—August, 1877. Honorary scholar 1876–7. Salesman with Hodges Brothers, 23 Hanover street, Baltimore.

Pollit, Frank Alexander. November, 1873—August, 1877. Book keeper for King, O'Connor & Co., hardware commission merchants, 11 West German street, Baltimore.

Wilson, William Hiland. August, 1875—July, 1877. Travelling salesman for a tobacco house in Baltimore.

1878.

Bieler, Alphonsus Henry. July, 1874—August, 1878. Architect for the Baltimore and Ohio Railroad, 1021 McCulloh street, Baltimore.

Brooks, Joseph Dixon. December, 1874—August, 1878. Honorary scholar 1877–8. Admitted to the bar of Carroll county, Maryland, May, 1885. Lawyer, 256 East Main street, Westminster, Maryland.

Canby, Harry Lee. September, 1876—July, 1878. Barber.

Dorrittee, Thomas Edward Aringdale. September, 1877—July, 1878.

Edwards, Americus. November, 1873—August, 1878. Honorary scholar 1877–8. Teacher on McDonogh farm 1879–80. Corresponding clerk for Poole & Hunt, iron founders and machinists, Woodberry, Baltimore.

Gantt, Harry Lawrence. November, 1873—August, 1878. Honorary scholar 1877–8. A. B., Johns Hopkins University, June, 1880. Teacher at McDonogh School 1880–83. M. E., Stevens Institute of Technology, June, 1884. Teacher at McDonogh School 1886–7. Member American Society of Mechanical Engineers, 1888. Assistant to the Chief Engineer of the Midvale Steel Works, Nicetown, Philadelphia.

Garrett, Frank Lee. January, 1874—July, 1878. Teacher and orange planter, near Wild Wood, Sumter county, Florida.

Nevins, William Wilberforce. August, 1875—July, 1878. With Paul B. Jerdone, pool rooms, 1 North Holliday street, Baltimore.

Poet, Harry Benson. November, 1873—August, 1878. Time keeper in the blacksmith shops of the Mount Clare Works, Baltimore and Ohio Railroad, Baltimore.

Richards, Arthur Orlando. July, 1876—August, 1878. Of the firm of Richards Brothers, cattle raisers, Butte City, Montana.

Russell, John William. March, 1875—July, 1878. Brakeman on the Southern Pacific Railway, El Paso, Texas.

Smith, Rush. November, 1873—July, 1878. Collector for U. S. Express Company, Barre and Howard streets, Baltimore.

Traylor, James Geddy. February, 1875—August, 1878. Clerk to the Secretary of the Smithsonian Institution, Washington, D. C.

Wigart, Pliny Earl. August, 1877—July, 1878. Salesman with Mills & Hooper, dealers in boots and shoes, 38 East Baltimore street, Baltimore.

Young, Charles Selden. November, 1873—July, 1878. Honorary scholar 1877-8. Runner in the National Mechanics Bank, corner Calvert and Fayette streets, Baltimore.

1879.

Adams, Walter Scott. March, 1875—August, 1879. With R. J. Halliday, florist, corner Pennsylvania avenue and Dolphin street, Baltimore.

Bremer, Harry Cooper. June, 1875—October, 1879.

Crane, Arthur Bathurst. July, 1876—June, 1879. U. S. Signal Officer, in charge of the signal station at Brownsville, Texas.

Dorman, John. July, 1878—August, 1879. Farmer in Jefferson county, West Virginia.

Glascock, Eustace Straghn. January, 1875—August, 1879. Graduate of the United States Naval Academy, Annapolis, 1883. Teacher, Athens, Henderson county, Texas.

Haynes, Austin Baldwin. September, 1876—July, 1879. With Asa H. Smith, paperhanger, 1509 West Baltimore street, Baltimore.

Johnson, John Hemsley. November, 1873—August, 1879. Honorary scholar 1878-9. A. B., Johns Hopkins University, 1881. Teacher at McDonogh School, 1881-6. B. L., University of Maryland, 1887. Lawyer, 207 North Calvert street, Baltimore, and Editor of the *Civil Service Reformer*.

Lindsley, William Lawson. March, 1875—July, 1879. B. L., National University, Washington, D. C., 1885. Lawyer, St. Paul, Minn.

Lusby, Louis Edward. April, 1877—June, 1879. In a wholesale drug house, Walnut street above Seventeenth, Philadelphia.

Marriott, James Curley. October, 1876—October, 1879. Book-keeper for S. R. Scoggins & Sons, dealers in fish, corner Light and Pratt streets, Baltimore.

McGall, David Gamble. July, 1877—November, 1879. Driver of one of the Hall's Springs line of street cars, Baltimore.

Rogers, Grafton Lloyd. August, 1875—August, 1879. Honorary scholar 1878-9. B. L., University of Maryland, 1887. Lawyer, 1 East Lexington street, and book-keeper for Henry W. Rogers, real estate agent, Baltimore.

Titchner, James. August, 1877—June, 1879. With Wm. A. Tottle & Co., woodenware, 118 Hanover street, Baltimore.

Williams, George Franklin. March, 1877—June, 1879.

Wilson, James Kirkland. August, 1878—June, 1879.

1880.

Betts, William Bailie. August, 1876—July, 1880. City order clerk for Sharp & Dohme, chemists and druggists, Pratt and Howard streets, Baltimore.

Brundige, Edward Parish. July, 1876—May, 1880. Wholesale and retail tobacconist, 54 West Main street, Westminster, Md.

Cole, Doyens Ballard. July, 1879—July, 1880. Clerk for the Fowler Manufacturing Company, 626 North Eutaw street, Baltimore.

De Witt, Robert Lee. January, 1875—August, 1880. Honorary scholar, 1879–80. With Packham & De-Witt, corks and druggists' glassware, 520 West Baltimore street, Baltimore.

Evans, Walter Mead. June, 1877—July, 1880. Moulder.

Fairbank, William Prescott. January, 1877—August, 1880. Honorary scholar, 1879–80. Notice clerk in the freight delivery office of the Baltimore and Ohio Railroad, Camden Station, Baltimore.

Fales, Charles Eshbaugh. January, 1877—June, 1880. Weigher.

Fardwell, Harry Ringgold. February, 1875—June, 1880. Assistant engineer, U. S. Engineer Corps, St. Joseph, Missouri.

Fowler, Harry Milton. August, 1879—July, 1880.

Harrington, John Samuel. October, 1879—July, 1880.

Masson, Charles Edgar. October, 1879—July, 1880. Removed to Chicago.

Morris, John Edward. July, 1876—June, 1880. With Mann & Co., solicitors of patents, 302 East Baltimore street, Baltimore.

Riley, John William. September, 1876—June, 1880. Photographer and dealer in picture frames, Baltimore.

Roberts, Howland. December, 1879—July, 1880. Brass finisher, with Regester & Sons, bell and brass founders, Holliday and Saratoga streets, Baltimore.

Simonds, James Montgomery. July, 1879—August, 1880. Assistant foreman of the press room of Isaac Friedenwald, printer, corner Paca street and Cider alley, Baltimore.

Wagner, Charles Fleming. August, 1878—December, 1880. Bricklayer, Baltimore.

Wilkinson, Allen Byron. August, 1876—July, 1880. Entry clerk for Hodges Brothers, wholesale notions, 23 Hanover street, Baltimore.

1881.

Bourne, Thomas. November, 1876—June, 1881. Shipping clerk with Bagby & Rivers, manufacturers of furniture, 628 West Pratt street, Baltimore.

Briesen, Robert. July, 1878—June, 1881. Clerk for the Beaver Dam Marble Company, 704 Constitution street, Baltimore.

Brundige, John Price. July, 1878—July, 1881. Runner for the First National Bank, Westminster, Md.

Burgess, George Lewis. June, 1877—June, 1881. Honorary scholar 1880–81. Brass finisher, with Wright & Colwell, manufacturers of plumbers' supplies, 13 East Lee street, Baltimore.

Chenowith, Richard. August, 1878—July, 1881. With A. S. Barnes & Co., publishers, 111 William street, New York.

Griffith, Alfred Crabb. January, 1877—August, 1881. Honorary scholar 1880–81. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Hinton, Presley Lewellyn. July, 1879—February, 1881. Driver of a street car, Baltimore.

Johnson, William Broadbent. August, 1879—July, 1881. Reporter for the Baltimore *Sun*.

Milburn, Robert Frederick. June, 1877—June, 1881. Baltimore salesman for Allen & Ginter, manufacturers of cigarettes and smoking tobacco, Richmond, Va. Office, 217 East Fayette street, Baltimore.

Miller, George Winchester. June, 1877—November, 1881. Pearre Brothers & Co., wholesale dry goods, 107 West Baltimore street, Baltimore.

Netre, Edward. February, 1875—June, 1881. Bookkeeper in the Howard Bank, Howard and Fayette streets, Baltimore.

Norris, Lloyd Matson. August, 1878—January, 1881. Music teacher, 400 North Fremont street, Baltimore.

Riach, William. June, 1875—June, 1881. Removed to Chicago.

Sanderson, Harry Schley. August, 1877—August, 1881. With A. J. Bishop, conductor of the People's Co-operative Supply Company, University Place, Ninth to Tenth streets, New York.

Sumwalt, Charles Hamlin. August, 1876—August, 1881. Honorary scholar 1880–81. Teacher at McDonogh School.

Thompson, Francis De Valangin. July, 1878—July, 1881. Clerk at the freight office of the Northern Central Railway Company, Calvert station, Baltimore.

Van Hollen, George Henry. August, 1876—June, 1881. With G. M. Roberts & Co., commission merchants, Bowly's wharf, Baltimore.

1882.

Anderson, John William. August, 1881—June, 1882.

Anschutz, Frank Hamilton. August, 1878—August, 1882. Honorary scholar 1881–82. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Baldwin, Benjamin Franklin. August, 1879—August, 1882. Merchant, Dublin, Pulaski county, Virginia.

Billingsley, Thomas Russell. August, 1881—July, 1882. Printer with James M. Cummings, 10 East Fayette street, Baltimore.

Chabot, William Hinson. August, 1878—August, 1882. Honorary scholar 1881–82. Civil engineer, near Birmingham, Alabama.

Chandler, Archibald Louis. July, 1879—July, 1882. With the Baltimore Turf Exchange, 209 East Fayette street, Baltimore.

Collier, Charles Ashby. July, 1878—July, 1882. Honorary scholar 1881–82. With the Central Installment House, 520 Market street, Camden, New Jersey.

De Witt, William Russell. August, 1877—August, 1882. Honorary scholar 1881-82. Student at Johns Hopkins University, 1882-84. Civil engineer, Atlanta, Georgia.

Dorsey, Thomas Henry. July, 1878—June, 1882. Printer, *American* office, Baltimore.

Kersey, John David. July, 1878—June, 1882. Plumber and gas fitter, with J. C. Fallon, 620 West Fayette street, Baltimore.

1883.

Atwood, Albert Hammond. August, 1876—July, 1883. Honorary scholar 1882-83. Clerk in the cashier's office of the Baltimore and Ohio Railroad, Pier 12, Delaware avenue, Philadelphia.

Brown, George Russell. July, 1880—August, 1883. Delivery clerk for the New York and Baltimore Transportation Line, 3 Light street wharf, Baltimore.

Fairbank, David Church. July, 1879—August, 1883. Conductor of one of the cars of the City Passenger Railroad Company, Baltimore.

McColm, Robert Lewis. August, 1880—January, 1883. Carpenter and stair builder, 29 St. Ann's avenne, Baltimore

Middlekauff, William Emanuel. August, 1880—June, 1883. With Wilson, Frank & Horner, wholesale hatters, 204 West Baltimore street, Baltimore.

Miller, William Elliott. August, 1879—August, 1883. Collector for the Baltimore Ice Company, Baltimore.

Richard, Augustus Claude. August, 1880—July, 1883. With Findlay, Roberts & Co., wholesale dealers in hardware, 25 Hopkins Place, Baltimore.

Riston, James Preston. August, 1878—August, 1883. Honorary scholar 1882–83. Bill clerk for Armstrong, Cator & Co., wholesale white goods and millinery, 9 and 11 West Baltimore street, Baltimore.

1884.

Black, Samuel Sutton. July, 1880—October, 1884. Died October 16, 1884, aged 16.

Chase, William Floyd. July, 1880—June, 1884. Honorary scholor 1883–84. Clerk and assistant to J. C. Malcolm, agent of the Canada Southern Line, Room No. 12, Chamber of Commerce building, Baltimore.

Crook, Henry Wallis. August, 1880—July, 1884. Farmer, near Hood's Mill, Howard county, Md.

Ditman, Nelson Gibson. August, 1881—July, 1884. Salesman for W. A. Hogg, confectioner, 126 Orleans street, Baltimore.

Jones, Russell Aubrey. August, 1881—June, 1884. Inspector of gas meters for the Maryland Meter and Manufacturing Company, 309 East Saratoga street, Baltimore.

Leamy, Eugene. July, 1880—June, 1884. Editor of *The Week*, 1883–84. With a florist in Philadelphia.

Marsh, William Lee. August, 1880—July, 1884. Blacksmith in the Mount Clare shops, Baltimore and Ohio Railroad, Baltimore.

Nason, Robert Lautenbach. August, 1881—December, 1884. Learning stair building with J. P. Turner, stair builder, 803 Fifth street, Baltimore.

Rogers, Harry. July, 1879—July, 1884. Runner for the Firemen's Insurance Company, corner South and Second streets, Baltimore.

Strong, Harry Clinton. July, 1880—July, 1884. Assistant to the station agent, Northern Central Railway, Woodberry, Baltimore.

1885.

Delphey, Charles Duhurst. January, 1881—June, 1885. With Charles Pracht & Co., wholesale confectioners and fruit packers, 406 and 408 Paca street, Baltimore.

Duvall, James Birch. August, 1881—June, 1885. Clerk in the Car Record Office, Baltimore and Ohio Railroad, Camden Station, Baltimore.

Evans, Charles Amos. August, 1881--July, 1885. Apprentice in the machine shops of Bartlett, Hayward & Co., iron founders and machinists, corner Scott and Pratt streets, Baltimore.

Henry, William Coltman. July, 1878—June, 1885. Honorary scholar, 1884-85. Teacher and post librarian, Fort Sisseton, Dakota Territory.

Johnson, Ernest Hemsley. July, 1879—July, 1885. Honorary scholar, 1884-5. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Landreth, Clarence Patterson. August, 1881—June, 1885. Stenographer for the Main Belting Company, corner Ninth and Reed streets, Philadelphia.

Lanier, Charles Day. December, 1881—August, 1885. Appointed to honorary scholarship for 1885-6. Editor of *The Week*, 1883 4. A. B., Johns Hopkins University, 1888. Teacher in Dr. Robert Atkinson's School, Madison avenue near Eutaw street, Baltimore.

Martinetti, George. July, 1884—July, 1885. Student of music, Baltimore.

McCaw, Thomas De Graffinread. August, 1882—June, 1885. Student, Winchester, Virginia.

Miller, William Haman. August, 1880—January, 1885. Honorary scholar, 1884-5. Student at Philadelphia College of Pharmacy, corner Sixth and Reed streets, Philadelphia.

Rogers, Charles Tall. January, 1884—June, 1885. Clerk for the North Baltimore Passenger Railway Company, corner Boundary avenue and McMechen street, Baltimore.

Russell, Allen Traves. July, 1880—July, 1885. Honorary scholar, 1884-5. Of Davis & Russell, dairy lunch room, Park avenue, near Saratoga street, Baltimore.

Schutz, John Lawrence. July, 1880—August, 1885. Janitor of the pathological laboratory of the Johns Hopkins Hospital, Baltimore.

Sheffer, John William. July, 1880—July, 1885. Stenographer and type writer for Thomas J. Meehan & Co., canned goods brokers, 416 Second street, Baltimore.

Smith, James Vernay. January, 1881—July, 1885. Clerk in the Enoch Pratt Free Library, Mulberry street, Baltimore.

Taylor, Frank Wilhelm. August, 1881—August, 1885. Honorary scholar, 1884-5. Student at the Johns Hopkins University.

1886.

Allen, Edward Reuben. July, 1882—April, 1886. City entry clerk for Hurst, Purnell & Co., wholesale dry goods and notions, Sharp, German and Liberty streets, Baltimore.

Biggin, Frederic Child. August, 1882—June, 1886. Draughtsman for J. A. & W. T. Wilson, architects, 1 East Lexington street, Baltimore. Graduate in drawing and architecture, Maryland Institute, 1888.

Cooksey, Joseph Kase. July, 1883—July, 1886. Clerk for the South Baltimore Car Works Company, corner Calvert and German streets, Baltimore.

Crist, George Edward. August, 1881—August, 1886. Honorary scholar, 1885-6. Apprentice in the machinery departmentof the Mount Clare Works, Baltimore and Ohio Railroad, Baltimore.

Cuttle, George Edward. August, 1885—July, 1886. Pupil of No. 15 Grammar School, Baltimore.

Dannelly, Charles Otis. July, 1880—June, 1886. Assistant clerk of the county court, Nash, Ellis county, Texas.

Diamond, Walter Gormley. August, 1879—June, 1886. Honorary scholar, 1885-6. Clerk for W. S. Cross, wholesale hardwoods and mahogany, Eastern avenue and East Falls avenue, Baltimore.

Hall, Amherst Belcher. July, 1882—July, 1886. Honorary scholar, 1885-6. Clerk Matthai, Ingram Co., tinware, 120 Hanover street, Baltimore.

Lewis, Robert Proud. August, 1880—June, 1886. Honorary scholar 1885–6. Clerk for the Newburgh Orrel Coal and Coke Company, 33 South Gay street, Baltimore.

Mettee, Charles Edward. June, 1885—April, 1886. Died April 18th, 1886, aged 12.

Paul, John Matthew. December, 1885—June, 1886. With Welsh & Hogan, bookbinders, 20 North street, Baltimore.

Pawley, Randall Warrick. July, 1884—May, 1886

Selby, James Lee. July, 1882—July, 1886. Clerk for the Patapsco Baking Powder Company, 402 South Eutaw street, Baltimore.

Stover, Robert Douglas. July, 1883—June, 1886.

Taylor, George Edward. September, 1881—July, 1886. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Wilkinson, John Chapman. July, 1884—May, 1886. Clerk for C. D. Fenhagen & Co., commission merchants, 43 Commerce building, Baltimore.

1887.

Cole, Julian Churchill. July, 1884—August, 1887. Clerk for the Philadelphia, Wilmington and Baltimore Railroad Company, President street station, Baltimore.

Cook, Joseph Guild. July, 1882—July, 1887. Honorary scholar 1886–7. Clerk for Pitcher & Creager, brick manufacturers, 4 South Paca street, Baltimore.

Edel, John George. June, 1885—November, 1886.

Edwards, Eugene. August, 1883—August, 1887. Assistant janitor of the chemical laboratory of the Johns Hopkins University.

Franklin, Benjamin Alvey. November, 1881—July, 1887. Honorary scholar 1886–7. Student at the Johns Hopkins University.

Fuller, Thomas Nelson. August, 1883—January, 1887. Clerk for the Cochran-Oler Ice Company, corner Lancaster and Eden streets, Baltimore.

Gantt, Charles Steuart. August, 1881—August, 1887. Honorary scholar 1886–7. Clerk and stenographer for Bartlett, Hayward & Co., iron founders and machinists, Scott and Pratt streets, Baltimore.

Grafflin, Charles Frederick. July, 1882—December, 1886. Editor of *The Week*, 1884–6. Collector for C. H. Torsch & Bro., crockery and tinware, 110 Hopkins Place, Baltimore.

Grewe, William Joseph. July, 1886—June, 1887. Stock clerk for J. J. Haines & Co., wooden and willow ware, 34 to 38 South Howard street, Baltimore.

Holton, John Armstrong. July, 1885—June, 1887.

Kerlinger, Joseph Henry. June, 1882—August, 1887. Honorary scholar 1886–7. In the shops of the Baltimore Car Works Company, Curtis's Neck, Baltimore county, Md.

Lackey, Robert Lee. August, 1884—June, 1887. With Sneeringer & Co., manufacturers of tobacco, 20 South Howard street, Baltimore.

McComas, Wilson Richard. July, 1885—June, 1887. Farmer, Carroll county, Md.

McVeigh, Edward Warren. August, 1881—June, 1887. Reporter for the *Evening Sun*, New York.

Wegner, Charles Henry. July, 1884—July, 1887. In the shops of L. Hehl & Co., furniture manufacturers, 211 North Howard street, Baltimore.

1888.

Benner, Hugh Gifford. July, 1886—June, 1888.

Coy, George James. July, 1884—July, 1888. Honorary scholar 1878–8. Clerk at McDonogh School.

Coyle, Edward Emory. July, 1884—June, 1888. Reporter for the *German Correspondent*, Baltimore.

Fergusson, Alan Robb. September, 1882—July, 1888. Clerk for the Cochran-Oler Ice Company, Baltimore.

Gibson, William Alexander. July, 1885—April, 1888. With Alva Hubbard & Co., furnaces and ranges, 116 North Howard street, Baltimore.

Hart, Robert Edward Lee. July, 1886—June, 1888.

Hauer, Daniel Jacob. August, 1881—July, 1888. Honorary scholar 1887–8. Editor of *The Week*, 1886–8. Assistant postmaster, McDonogh, Md.

Moreton Dyer, Percy Arthur. July, 1884—July, 1888. Honorary scholar 1887–8. Clerk for the Cochran-Oler Ice Company, South Exeter street, between Canton avenue and Eastern avenue, Baltimore.

Thomas George Culbreath. August, 1883—June, 1888. Clerk for Tucker, Smith & Co., wholesale boots and shoes, 129 West Baltimore street, Baltimore.

Walker, John Edgar. December, 1884—July, 1888.

Forms of Bequest and Devise to the McDonogh School.

FORM OF BEQUEST.

I give and bequeath to the Mayor and City Council of Baltimore, in trust for the Board of Trustees of the McDonogh Educational Fund and Institute, the sum of ..... dollars, or Certificate No. .... for ..... dollars of the Stock Debt of the Mayor and City Council of Baltimore, redeemable in the year ....

FORM OF DEVISE OF LAND OR GROUND.

I give and bequeath to the Mayor and City Council of Baltimore, in trust for the Board of Trustees of the McDonogh Educational Fund and Institute, one piece or parcel of ground, situate and lying on the ..... side of ..... street, in the City of Baltimore, which is particularly described in a deed from A. B. to me, bearing date the .... day of ....., A. D. 18.., which is recorded among the Land Records of Baltimore City, in Liber ...., No. ...., Folio ...., with all the improvements.

If the testator or testatrix should desire the devise or bequest to be applied in a particular manner, he or she can add at the end of the same, the words: "The same to be used in building a ..... for the use of the Farm School," or "for the purpose of founding a chair for the instruction of the pupils of the McDonogh Institute in ....." Testator or testatrix can designate any legitimate object connected with the subject of education as the purpose of his or her testamentary disposition.

SIXTIETH ANNUAL REPORT

— OF THE —

BOARD OF COMMISSIONERS

— OF —

PUBLIC SCHOOLS,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

YEAR ENDING DECEMBER 31st, 1888.

Board of Commissioners of Public Schools

FOR 1888.

OFFICERS:

PRESIDENT.....JOHN T. MORRIS.
SECRETARY.....HENRY M. COWLES.
SUPERINTENDENT OF PUBLIC INSTRUCTION.....HENRY A. WISE.
ASSISTANT SUPERINTENDENT OF INSTRUCTION.....JOHN E. McCAHAN.
ASSISTANT SECRETARY.....ALBERT MARSHALL.
SUPERINTENDENT OF SUPPLIES.....CHRISTIAN W. KEIDEL.
LIBRARIAN.....FRANCIS J. RUTH.

MEMBERS OF THE BOARD:

HON. FERDINAND C. LATROBE, MAYOR.

WARD.		TERM EXPIRES.
1.	E. JONES WILLIAMS, M. D.	1889.
2.	SIMON L. FELBER	1891.
3.	JOHN B. WENTZ	1892.
4.	EDWARD A. BURKE	1890.
5.	WM. H. B. FUSSELBAUGH, OF J.	1889.
6.	JACOB S. BARNES	1892.
7.	JOHN Q. McAFEE	1890.
8.	JOHN T. FOLEY	1891.
9.	*JOSHUA PLASKITT	1891.
10.	JOHN T. MORRIS	1890.
11.	OTWAY B. ZANTZINGER	1892.
12.	THOMAS S. BAER	1889.
13.	JOHN M. JONES	1891.
14.	JAMES BOSLEY, M. D.	1892.
15.	NELSON BAKER	1889.
16.	JAMES MITCHELL	1890.
17.	JOHN E. DURDING	1892.
18.	†ROBERT A. POULTON	1890.
19.	SAMUEL F. SHARRETTS	1891.
20.	CALVIN J. KING	1889.
21.	††ALCAEUS HOOPER	1889.
22.	††A. WARFIELD MONROE	1889.

*Resigned September 11th. On September 24th the City Council elected Benjamin L. Wagner to represent the Ninth Ward. Mr. Wagner, having removed from the ward, resigned November 13th. On December 3d, the City Council elected Michael Sheehan to represent the Ninth Ward.

†Died April 23d. On May 1st the Board elected John J. Fenton to represent the Eighteenth Ward, which action was, on September 24th, confirmed by the City Council.

††Elected December 3d.

STANDING COMMITTEES.

After Mr. Poulton's death, Mr. Foley was assigned to the Committee on Music, and Mr. Fenton to the Committee on Buildings. In all other cases, vacancies on committees were filled by the gentlemen elected to the Board to succeed those who resigned or died.

1. Baltimore City College.

Messrs. Baer, Foley, Bosley, Baker, President and Superintendent.

2. Female High Schools.

Messrs. Wentz, King, Williams, Poulton, Fusselbaugh, Jones, President and Superintendent.

3. Grammar Schools.

Messrs. Fusselbaugh, Jones, Plaskitt, Sharretts and Barnes.

4. Primary Schools.

Messrs. Foley, Mitchell, McAfee, Burke, Williams and Assistant Superintendent.

5. English-German Schools.

Messrs. Felber, Wentz, Durding, King and Williams.

6. Manual Training School.

Messrs. Wentz, Plaskitt, Felber, Zantzinger and President.

7. Colored Schools.

Messrs. Mitchell, Zantzinger, Baer, Foley, Poulton and Superintendent.

8. Normal School.

Messrs. Sharretts, Baker, Jones and Superintendent.

9. Text Books.

Messrs. Baer, Wentz, Bosley, Plaskitt, King, President, Superintendent and Assistant Superintendent.

10. Furniture.

Messrs. Burke, McAfee, Durding, Sharretts and Mitchell.

11. Music.

Messrs. Wentz, Mitchell, Poulton, Baker and Felber.

12. Discipline.

Messrs. Durding, Zantzinger, Baker, Fusselbaugh, Felber, President, Superintendent and Assistant Superintendent.

13. Accounts.

Messrs. Jones, Burke, McAfee, Fusselbaugh and Barnes.

14. Expenditures.

Messrs. King, Baker, Jones, Bosley, Barnes and President.

15. Examinations.

Messrs. Bosley, Baer, Zantzinger, President, Superintendent and Assistant Superintendent.

16. Bi-Weekly Reports.

Messrs. McAfee, Burke and Fusselbaugh.

17. Conference.

Messrs. Zantzinger, Wentz, Felber, Durding and King.

18. Buildings.

Messrs. Baker, Bosley, Foley, Plaskitt, Durding, President and Superintendent.

19. Printing.

Messrs. Foley, Mitchell and McAfee.

20. Health.

Messrs. Williams, Bosley and Sharretts.

21. Drawing.

Messrs. Plaskitt, Sharretts, King, Foley and Barnes.

22. Intestates' Estates.

Messrs. Jones, Baer and Wentz.

23. Heating Apparatus and Fuel.

Messrs. Barnes, Poulton, Burke, Sharretts, McAfee and President.

24. Rules.

Messrs. Poulton, Wentz and Williams.

25. Public School Library.

Messrs. Wentz, King, Baer, Williams and President.

26. Non-Resident Pupils.

Messrs. Baer, Sharretts and President.

REPORT

— OF THE —

BOARD OF COMMISSIONERS OF PUBLIC SCHOOLS

OF BALTIMORE.

OFFICE OF COMMISSIONERS OF PUBLIC SCHOOLS,

January 1st, 1889.

To the Honorable the Mayor and
City Council of Baltimore.

In compliance with the ordinance establishing the Public Schools of Baltimore, the Board of Commissioners respectfully presents its

SIXTIETH ANNUAL REPORT,

showing its transactions during the past year, and such other information concerning the schools as will enable you to ascertain their present condition.

Another year in the history of the schools has passed, and it is proper for the community to know whether they are accomplishing the objects for which they were established.

It is true that a year is but a brief period in the history of any school system, and yet it may be possible even in that short time to ascertain sufficient to determine whether the work is satisfactorily performed, or a failure. If the investigation shows that the schools have not progressed, and the results are unsatisfactory, then there would be reason to suppose that there was some serious impediment in the way which ought to be removed. If, however, the number of teachers and pupils have largely increased, and are working with earnestness and zeal, and there is evidence of growth in all departments of the schools, then it may be fairly presumed that they have been properly managed and are entitled to public confidence.

The control of our schools is now vested in a body of our citizens chosen by you in accordance with existing laws, who perform their duties with impartiality, and with a view to accomplish the best results. Of course, no system of instruction is perfect, and no management is faultless, and it may, therefore, sometimes occur that those in charge will err in their judgment and action, by educational experiments. But such errors are soon discovered and corrected by observing the practical results of the experiments that are made, and whilst the good is retained, the bad is rejected. It is therefore desirable that those who are charged with the care of this important trust, should receive the advice and cordial co-operation of all intelligent friends of public education, and thus be aided in re-

moving whatever hinderances may exist to further progress.

The accompanying reports of the Secretary, Superintendents and other officers of the Board, contain valuable information concerning the schools, and we ask your favorable consideration of their recommendations for improved accommodations and liberal appropriations. They have all worked assiduously and faithfully in their several departments, and are entitled to your confidence and consideration.

SCHOOL STATISTICS.

The whole number of schools of various grades under the charge of the Board is 140, classified as follows:

BALTIMORE CITY COLLEGE.

Number of schools	1
Number of teachers	14
Number of pupils on roll December 31, 1888	385
Average on roll during the year	373
Average attendance	336

FEMALE HIGH SCHOOLS.

Number of schools	2
Number of male teachers	3
Number of female teachers	22
Number of pupils on roll December 31, 1888	694
Average number on roll during the year	677
Average attendance	625

GRAMMAR SCHOOLS.

Number of schools	39
Number of male teachers	34
Number of female teachers	256
Number of pupils on roll December 31, 1888	11,567
Average number on roll during the year	11,210
Average attendance	9,772

PRIMARY SCHOOLS.

Number of schools	60
Number of female teachers	423
Number of pupils on roll December 31, 1888	18,454
Average number on roll during the year	17,640
Average attendance	14,544

ENGLISH-GERMAN SCHOOLS.

Number of schools	5
Number of male teachers	17
Number of female teachers	97
Number of pupils on roll December 31, 1888	4,826
Average number on roll during the year	4,700
Average attendance	4,238

MANUAL TRAINING SCHOOL.

Number of schools	1
Number of male teachers	13
Number of pupils on roll December 31, 1888	510
Average number on roll during the year	383
Average attendance	348

COLORED SCHOOLS.

Number of schools	16
Number of male teachers	14
Number of female teachers	118
Number of pupils on roll December 31, 1888	5,530
Average number on roll during the year	5,135
Average attendance	4,175

UNCLASSIFIED SCHOOLS IN THE ANNEX.

Number of schools	16
Number of male teachers	15
Number of female teachers	90
Number of pupils on roll December 31, 1888	4,555
Average number on roll during the year	4,499
Average attendance	3,854

The schools in the annexed wards are composed of pupils of both sexes, and of grammar and primary grades, and have not yet been classified or separated, for want of sufficient and proper accommodations for separate schools.

The above statement shows that the number of enrolled pupils at the end of the year was 46,521, under the charge of 1,123 teachers, 2 of whom are special teachers of music, and 5 of drawing, and the daily average attendance was 37,892.

The increase of enrolled pupils, including those in the schools in the annex, was 5,322, and in average attendance was 3,923, and the whole number of pupils

who attended the schools during a part of the year was 59,906, being an increase of 5,696 over the previous year.

In the city, exclusive of the annex, the increase in enrollment was 767, in average attendance 354, and in the whole number during the year, 1,423.

The percentage of attendance was one per cent. less than during the previous year, ranging from 92 in the Female High Schools to 81 in the Female Primary Schools and Colored Schools, as follows: Female High Schools, 92; Baltimore City College, 90; Manual Training School, 90; English-German Schools, 90; Male Grammar Schools, 89; Female Grammar Schools, 85; Annex Schools, 85; Male Primary Schools, 84; Female Primary Schools, 81; Colored Schools, 81.

No appropriation was made for evening schools, and therefore none were opened during the year.

The number of pupils to a teacher in Baltimore City College was 27; in Female High Schools, 28; in Grammar Schools, 38; in Primary Schools, 42; in Manual Training School, 38; in English-German Schools, 43; in Colored Schools, 41; in Annex Schools, 45.

The number of non-resident pupils was 165, who paid for books and tuition the sum of $6,104.84, the number being 201 less than in 1887, and the amount received being $486.62 less than during that year. The decrease in the number of pupils results from

the annexation of that part of the county in which many of them reside, and as they are now entitled to attend the schools free of charge, they are not classified among non-residents.

The average salary of the teachers was $572 per annum, and the per capita cost of all the schools was $18.05 per annum, and in the several grades as follows: Baltimore City College, $94.20; Female High Schools, $72.36; Male Grammar Schools, $22.72; Female Grammar Schools, $17.39; English-German Schools, $15.66; Male Primary Schools, $14.08; Female Primary Schools, $14.00; High and Grammar Colored Schools, $22.22; Colored Primary Schools, $14.31; Manual Training School, $33.27.

An interesting table has been prepared by the Superintendent and published with his report, showing the ages of all the children in the different grades of the schools, as follows:

Between	5	and	6	724
"	6	"	7	4,030
"	7	"	8	5,175
"	8	"	9	5,684
"	9	"	10	5,600
"	10	"	11	5,992
"	11	"	12	5,365
"	12	"	13	4,904
"	13	"	14	3,826
"	14	"	15	2,699

Between	15	and 16	1,398
"	16	" 17	747
"	17	" 18	278
"	18	" 19	86
"	19	" 20	9
"	20	" 21	4

By the rules of the Board, the school age is from 6 to 21, but an exception is made in the case of beginners, who may be admitted to the alphabet class of the primary schools in the month of September, if they will be 6 years of age before the first day of March following.

The object of the rule which requires beginners to enter in September, and at no other time during the year, is to facilitate the work of the teachers in the lowest grade of the schools, and to prevent the annoyance which would necessarily result from their admission at all times.

SCHOOL CENSUS.

In June last a census of all children in the city of school age between 6 and 21 years, was taken under the direction of the Board of Police Commissioners, showing the total number to be 110,731, being an increase of 23,770 over the number in 1878.

The report shows that $39\frac{6}{10}$ per cent. of the whole number are in the public schools, $14\frac{5}{10}$ per cent. in private schools, and $45\frac{9}{10}$ per cent. are not now attending either.

It will be observed that a large per centage is reported as not attending any school, and it might be supposed that this large number represents an ignorant and neglected class of children in our city, who are wilfully absent from school and have received no education. This opinion is erroneous, for though the census shows that 50,881 are not now in either public or private schools, yet 31,623 of these, being $28\frac{5}{10}$ per cent. of the whole number have attended for three years or longer, and about 19,000 or $17\frac{4}{10}$ per cent. have had less than three years schooling.

It must be remembered that the average school age is really between 6 and 15 years, and that only about 4 per cent. advance beyond the grammar and primary departments. Of the whole number of pupils now in the schools, only 2,522 are over 15 years of age, thus showing that a large majority are compelled by circumstances to leave at an early age. It may, therefore, be fairly presumed that most of those who are classified as not now in school, have heretofore been pupils and have received all the education that their parents deemed necessary.

CENSUS TAKEN IN JUNE, 1888.

Children Between 6 and 21 Years.

Wards.	Number of Males.	Number of Females.	Total.	Attending Public Schools.	Attending Private Schools.	Attending no School.	Have been in school 3 years, but not in now.
1	2,970	2,937	5,907	2,192	991	2,724	1,599
2	2,332	2,314	4,646	1,658	968	2,020	1,211
3	2,160	2,223	4,383	1,638	657	2,088	1,363
4	2,060	1,987	4,047	1,631	539	1,877	717
5	1,909	2,022	3,931	1,826	382	1,723	857
6	3,258	3,200	6,458	2,595	853	3,010	1,876
7	3,404	3,373	6,777	2,673	918	3,186	2,160
8	2,816	3,018	5,834	2,014	1,245	2,575	1,760
9	1,300	1,363	2,663	963	805	895	445
10	1,847	1,921	3,768	1,439	583	1,746	1,262
11	1,651	1,580	3,231	1,037	872	1,322	776
12	2,820	3,069	5,889	2,361	1,264	2,264	1,481
13	1,708	1,718	3,426	1,427	555	1,444	1,013
14	2,426	2,522	4,948	1,826	648	2,474	1,801
15	1,988	2,114	4,102	1,738	344	2,020	1,401
16	1,949	1,925	3,874	1,622	242	2,010	1,301
17	2,962	2,930	5,892	2,603	633	2,656	1,855
18	3,905	3,736	7,641	2,820	598	4,223	2,848
19	3,037	3,294	6,331	2,928	914	2,489	1,333
20	2,815	3,039	5,854	2,395	749	2,710	1,425
21	2,635	2,426	5,061	2,205	315	2,541	1,511
22	2,944	3,124	6,068	2,294	890	2,884	1,628
Totals	54,896	55,835	110,731	43,885	15,965	50,881	31,623
Census of 1888	54,896	55,835	110,731	43,885	15,965	50,881	.....
" " 1878	42,589	44,372	86,961	33,328	13,550	40,083	.....
Increase in 10 years	12,307	11,463	23,770	10,557	2,415	10,798	.....

FINANCIAL.

During the past year the board practised the most judicious economy in expending the amount appropriated for the support of the schools.

The estimated amount for current expenses was $771,500, and the appropriation made was $757,500, being $14,000 less than the estimate, and the necessary result was that some of the schools were deprived of needed supplies.

The object of the ordinance which requires this department to annually report its transactions with an account of receipts and expenditures during the year, was to enable the city authorities to ascertain whether the appropriations are properly applied. The examination of these accounts will enable the public to ascertain whether any improper or excessive expenditures have been made, and if so, to apply the remedy to prevent the recurrence of the evil.

The unjust criticism which is sometimes made with reference to the management of the schools is undoubtedly the result of ignorance or prejudice; and, yet, the frequent publication of charges of mismanagement may create an adverse feeling, and beget a want of confidence. It is therefore proper that a scrutinizing and intelligent examination should be made, from time to time, by those who are competent to do so, in order that the public may be informed whether those in charge of this department have faithfully performed the important trust confided to them.

The annual estimates for current expenses of the schools are always based on their actual requirements, and are not increased beyond that amount with a view to their reduction. In the exercise of their power, the city authorities often reduce the amount of the estimate, and yet the board endeavors to conduct the schools to the best advantage upon the appropriations made, though sometimes feeling that better results could be obtained if greater facilities were furnished.

We repeat what we have heretofore said, that public sentiment does not require that the rate of taxation shall be so low as to prevent necessary and liberal appropriations for all the departments which aid in developing the material interests of the city. Of course, there are some chronic complainers in every community, and our city is not exempt from that class, who find fault with increased taxation, and yet exact the best results from every department. But, the opinions of such persons are not entitled to much consideration, because it is unreasonable to expect any department to satisfactorily perform its work without the necessary means for that purpose.

RECEIPTS.

The total receipts for current expenses of the schools during the year, were as follows:

City Collector	$583,974 59
State Treasurer	159,592 16
Non-resident pupils	6,104 84
John F. Plummer, interest on legacy	129 55
Intestates' estates	93 99
	$749,895 13

The amount received was $16,280.47, more than during the previous year.

The amount received from the State Treasurer is the City's proportion of the general tax, levied throughout the State for the support of the public schools, being at the rate of 10 cents on every $100 of taxable property. The taxes thus annually paid into the treasury of the State are apportioned and distributed to the Boards of School Commissioners of the City of Baltimore and the counties in proportion to their school population, between five and twenty years of age. This is an important income for the support of the schools throughout the State, but the City pays a much larger sum than it receives as its share of this common fund.

During the year 1888, the amount paid by the City to the State, was	$220,650 44
Amount received by the City, was	159,592 16
Excess paid by the city for support of schools in the counties	$ 61,058 28

It is true that the payment of this school tax is for a good purpose, and there are persons who doubtless think that no complaint should be made on account of the inequality of the distributions, but, as our schools are established under the ordinances of the Mayor and City Council of Baltimore, and are not directly connected with the State system of public instruction, it is not unreasonable to ask that so much of the general tax as is paid by our citizens should be applied to the support of our city schools.

By an ordinance adopted in 1883, all funds received by the City Register from intestates' estates for want of heirs of the deceased, are now applied directly to the support of the schools, and are subject to the order of this board. Previous to the adoption of this ordinance, the fund was paid into the city treasury for general expenses, and was not credited to the schools; but now it is held as a separate and distinct revenue for their use, in addition to the annual appropriation. The amount received last year was only $93.99, but during previous years several thousand dollars have been collected from this source.

EXPENDITURES.

The amount paid for current expenses of the white and colored schools, exclusive of those in the annex, was $757,494.38, and by the Inspector of Buildings for the erection of new buildings and general repairs, was $61,978.05.

Salaries of officers and teachers	$613,991 80
Rents and ground rents	34,719 25
Books and stationery	38,986 59
Heating apparatus	7,419 19
Furniture	9,077 35
Fuel	19,915 01
Repairs and cleaning	6,937 56
Printing, supplies and incidentals	9,476 53
Manual Training School	16,971 10
	$757,494 38

Of the above amount, the payments on account of white schools were $673,262.36, and on account of colored schools $84,232.02.

Expenditures by the Inspector of Buildings were as follows:

Colored High and Grammar School, new building	$24,989 00
Male and Female Primary School No. 8, new building	9,000 00
Male and Female Grammar School No. 2, new building	15,000 00
New ceilings	3,000 00
General repairs of old buildings	9,989 05
	$61,978 05

In addition to the above, the expenses of the schools in the annex were $43,302.10, thus making the total current expenses of all the schools $800,796.48.

The amount expended in the annex schools included the cost of necessary repairs to furniture and all the current expenses of the schools.

The amount appropriated to the Inspector of Buildings for the use of this department has been judiciously expended by him in the repairs of old school houses, many of which require his constant attention. He continues to satisfactorily perform his duty in relation to the schools, and is entitled to our thanks for his efforts to improve the condition of the buildings.

ESTIMATE FOR 1889.

The estimate for current expenses is $887,500, of which $85,000 is for schools in the annexed wards, as follows:

Salaries of officers and teachers		$630,000 00
Rents and ground rents		38,500 00
Books and stationery		45,000 00
Heating apparatus and repairs		10,000 00
Furniture		13,000 00
Fuel		22,000 00
Repairs and cleaning		9,000 00
Printing, supplies and incidentals		10,000 00
Manual Training School		25,000 00
		$802,500 00
Annex schools, salaries	$70,000 00	
Current expenses	15,000 00	
		85,000 00
		$887,500 00

The above estimate is much larger than the appropriation for last year, and has been made after the most careful consideration of the increasing wants of the schools.

The accompanying report of the Committee on Accounts and the statement of the secretary satisfactorily show the necessity for this increase.

It can hardly be necessary to reiterate the plain

proposition that the large annual increase of pupils necessarily involves increased appropriations for their education.

We invite our citizens to co-operate with us in the work of free instruction by sending their children to our schools, and ample accommodation should therefore be furnished by the erection of comfortable buildings and by the liberal supply of the other requirements of school life. It is a serious mistake to conduct a system of public education upon parsimonious principles, and the best results will undoubtedly be attained by liberal appropriations which are judiciously expended. It is fair to presume that those in charge of any department of government know its real wants much better than others who have no personal knowledge of its necessities, and it is therefore the true policy for the authorities to make the estimated appropriation and hold those in charge of any department responsible for its proper disbursement.

SCHOOL BUILDINGS.

There are 100 buildings now occupied by the schools, of which 75 are owned by the city and 25 are rented. The amount paid for ground rents on those belonging to the city was $30,071.04, and for rent of hired houses and halls was $9,111. Several lots are owned in fee simple, but most of them are subject to irredeemable ground rents. The estimated value or cost of all the buildings is $1,319,870, and the valuation of all the furniture, heating apparatus and other supplies, ex-

cept books, based on two-thirds of the original cost, is $180,957.20.

During the past year the new building on Saratoga street for Colored High and Grammar Schools, was completed and is now occupied. It contains 24 class-rooms, and will comfortably seat about 1,000 pupils. There are now 23 classes in the building, seven of which belong to Female Colored Primary School No. 1, which had been occupying a rented house on Courtland street. It is probable that from 350 to 400 pupils will be transferred from the Colored Primary Schools to this Colored Grammar School at the examination in June, and it will then be necessary for Primary School No. 1 to remove elsewhere. The Male Primary Colored School No. 1 is now occupying rooms in the old City Hall, but notice has been received from the Water Department that it will need this building during the summer, and it will, therefore, be necessary for the school to vacate it. These two schools, containing about 600 pupils, will again have to rent an old house for their use, unless an appropriation is made for the erection of a new building.

The new house for Male and Female Primary Schools No. 8 on Caroline street has also been completed, and was occupied at the opening of the schools in September.

These new buildings are commodious, well ventilated and lighted, and furnish increased facilities to these schools which have long been needed.

A liberal appropriation was made for a building for Male and Female Grammar School No. 2, at the corner of Broadway and Bank street, which is now in course of erection, and will probably be finished before the close of the present scholastic year.

A lot has been purchased on Carrollton avenue, and a contract made by the Inspector of Buildings for a new house for a Colored Primary School to be opened in September. This school will be under the charge of colored teachers, in pursuance of the ordinance of the Mayor and City Council, adopted May 3d, 1888, which directs the employment of colored teachers in all schools hereafter established for colored children.

Applications were made for the erection of several other buildings, which were examined and favorably considered by the Committee on Education, but in deference to the prevailing desire to avoid the increase of the tax levy, it was deemed proper to postpone further appropriations for that purpose.

The adoption of the five million loan, of which four hundred thousand dollars are appropriated for school houses, now furnishes the means for the erection of the buildings which are so much needed to replace the rented houses and halls. In a financial point of view, it would certainly be better for the city to invest, at once, $250,000 or $300,000 of these bonds, at 3½ per cent., in the erection of new school houses, rather than to expend annually from $9,000 to $10,000 for the

rent of old houses, which are unhealthy and unfit for school use.

The yearly demand for more school accommodations may seem extravagant and unnecessary to those who do not know the rapid growth of the schools and the condition of some of the buildings now in use. The health of the teachers and pupils is of primary importance for the success of the schools, and should not be sacrificed on the plea of economy.

This board and the public appreciate the liberality of the city for the improvements heretofore made, but respectfully suggest that there is much more yet to be done in order to remove the existing evil.

In view of these facts, it is our duty to submit a statement of present wants, and to ask appropriations for the following named schools:

MANUAL TRAINING SCHOOL.

When the property adjoining the school was purchased for its use it was deemed best to postpone the erection of the new building until this year, and an appropriation was promised for that purpose. A suitable plan for the proposed building has been prepared by the principal of the school, and an appropriation of $25,000 is now recommended, so that it may be occupied at the opening in September.

There are now over 500 pupils, and the school is

over-crowded, and more space is needed for the shops, which are too small. An old building on Courtland street is now rented, at $400 per annum, which will not be needed when the new one is erected.

MALE AND FEMALE PRIMARY SCHOOLS No. 24.

The property at the corner of Chesapeake and Hudson streets is now occupied by a portion of the pupils of these schools, and several classes are in an old church at the corner of Hudson and Patuxent streets, for which $400 per annum is paid. The residents of that section of the city are entitled to a new building for these schools, and an appropriation of $30,000 is recommended for the purchase of a suitable lot and the erection of a new house.

MALE AND FEMALE PRIMARY SCHOOLS No. 13.

A desirable lot was leased by the city several years ago at the northeast corner of Patterson Park avenue and McElderry street, at the annual ground rent of $530 for the use of these schools, but no appropriation was ever made for a building. The present location of the schools on Jefferson street is undesirable now, in consequence of a change in the character of the residents of that neighborhood, and their growth and success will be promoted by removing them to the proposed site, which is an improving part of the city. An appropriation of $25,000 is asked for a new building.

MALE AND FEMALE GRAMMAR SCHOOLS No. 20.

The board has heretofore recommended the purchase of a lot and the erection of a commodious house for these schools.

The Grammar and Primary Schools No. 20 have jointly occupied the building at the corner of Preston and Eden streets, but the increase in the primary departments has been so great that it has been necessary to lease two other houses at the yearly rent of $1,080.

It would undoubtedly be desirable to erect a new building for the grammar department, and to allow the primary schools to occupy the whole of the present building. We, therefore, renew our previous application and recommend that an appropriation of $30,000 be made for this purpose.

MALE AND FEMALE PRIMARY SCHOOLS No. 31.

These schools are in a small house at the corner of Pierce and Schroeder streets, having a front of 34 feet and depth of 70 feet. The increase of pupils has been such that it has been necessary to lease another house for their accommodation, at the annual rent of $300. We recommend the purchase of additional ground adjoining the present lot, and that a new building be erected for these schools.

MALE AND FEMALE PRIMARY SCHOOLS No. 11.

The building occupied by these schools at the corner of Gilmor and Mosher streets should be enlarged by

the addition of four or more class rooms. There are now over 900 pupils, and unless additional accommodations be furnished, another building must be rented or a number of children excluded from the school.

PRIMARY SCHOOLS Nos. 17 AND 28.

These schools are located in the southern section of the city, and the number of pupils has increased so that it has been necessary to lease a building on William street for their use, at the yearly rent of $300.

The purchase of another lot and the erection of a house is recommended for these schools.

ENGLISH-GERMAN SCHOOL No. 5.

The building occupied by this school is on Fremont street, south of Lombard street, and was erected more than forty years ago. There are now twenty teachers and nearly a thousand pupils, the building is insufficient in size, and the location is undesirable. A liberal appropriation is desired for the purchase of another lot and the erection of a more commodious building.

GRAMMAR SCHOOLS No. 8, AND PRIMARY SCHOOLS No. 30.

These schools are on two contiguous lots on Hollins street, near Fulton avenue, having a front of 289 feet, of which 160 feet are unoccupied. The schools have increased to such an extent that it has been necessary to lease three other buildings for the use of several classes of both departments, at the yearly rent of $840. It

would be of great advantage to these schools, either to erect another house for the grammar department on the vacant lot and to permit the primary schools to occupy both of the old buildings, or to purchase another lot in the southwestern section of the city, and establish another primary school, which would relieve No. 30.

NEW SCHOOL IN NORTHERN SECTION.

A new school house should be erected in the northern section of the city, south of North avenue, and between Charles street and Greenmount avenue. There are many children in that part of the city who are attending No. 19 schools on Park avenue, No. 9 schools on Courtland street, and other remote schools, and a new house in their neighborhood would be a great convenience to them. A large appropriation should be made, so that the house will be of sufficient size to accommodate all who may be at once transferred from the above mentioned schools, as well as others who will afterwards enter.

ANNEX SCHOOLS No. 3 AND No. 4.

Several schools in the annexed wards are overcrowded and much in need of additional accommodations, and they should receive a portion of the $5,000,000 loan for new houses.

It has been necessary to lease the basement of a church on Huntingdon avenue, at the yearly rent of $480, for the use of several classes of Annex School

No. 3, at the corner of Oak and Fifth streets. The rented building occupied by Annex School No. 4, at Hampden, is entirely unsuited, and in some respects, is dangerous to teachers and pupils. We therefore, recommend that appropriations be made for the purchase of suitable lots and erection of new buildings for these schools.

In connection with the subject of new buildings for the use of schools already organized, it is suggested that the appropriations should be such as to furnish comfortable accommodations for more pupils than those who are already in the schools, and so provide for an increase from year to year. Whilst the new houses which have recently been erected are much more convenient than the old ones, yet but little additional space has been obtained. The necessary result will be that they will have to be enlarged at an increased cost, when it would have been much better and less expensive to have made them sufficiently large when erected.

A special appropriation was made for the introduction of the Smead system of heating and ventilating school buildings in the new building erected for Grammar Schools No. 2, on Broadway, and if the results are as satisfactory as they have been in other cities where this system has been generally applied, we will hereafter ask for appropriations to introduce it in all new school buildings.

ANNEX SCHOOLS.

By the adoption of the Annexation Bill, in May, 1888, the public schools in the annexed districts were transferred to the control of the Board of School Commissioners of the City, but, by mutual arrangement, they were left under the charge of the Baltimore County School Board until July 1st.

There were 15 schools, 12 of which were for white children, and 3 for colored children, containing 3,814 pupils, under the charge of 82 teachers.

Ten school houses were purchased by the city from the county for the sum of $68,250, being the price fixed by the arbitrators appointed for that purpose; 6 of which are in fee simple, and the other 4 are subject to the aggregate annual ground rent of $122.51. The furniture of these schools was also bought for $4,500.

During the holidays the Superintendent of Supplies and Inspector of Buildings, under the direction of the special committee, inspected all the houses and furniture, and had them thoroughly repaired and properly fitted for use at the opening in September.

The Superintendent of Instruction and Assistant Superintendent also visited all the schools, and arranged with the teachers a proper plan for re-organization, in accordance with the schedule and plan of the city schools.

By the terms of the bill; all teachers connected with

the schools at the time of its adoption are entitled to retain their respective positions until the end of the scholastic year, beginning September 1st, 1888, "and such teachers shall be deemed qualified and continue eligible, without further examination, to occupy positions as teachers in the public schools, in the same manner as if they had complied with the examination now required for teachers in the public schools of Baltimore city."

Application was made by the teachers for an increase of their salaries, so that they might receive the same amount as other teachers of the same grade in the city, and after careful consideration it was determined by the Board that the salaries should continue at the present rate until the first of September next, and that from that date they should be increased in accordance with the regular schedule.

Two new schools have been opened, and there has been an increase of 741 pupils, so that it has been necessary to rent several houses to furnish the necessary accommodations. The teachers and pupils are working faithfully and earnestly, and satisfactory results are expected at the coming examination.

We recommend appropriations for the purchase of lots and erection of two new buildings in these wards during this year, and that the estimated amount for salaries and other current expenses be appropriated, so that there may be no necessity for closing the schools before the end of the scholastic year.

The following described lots and school houses were purchased at the prices named:

1. School house and lot in fee, at the corner of Oak and Fifth streets	$14,000 00
2. School house and lot in fee, at Hampden	2,000 00
3. School house and lot in fee, at Clifton.	7,000 00
4. School house and lot in fee, at Waverly	14,000 00
5. School house and lot in fee, on Bloomingdale avenue, at Calverton	8,000 00
6. School house and lot in fee, on Gorsuch avenue, at Homestead	5,500 00
7. School house and lot, at Woodberry, subject to a ground rent of $22.50 per annum	8,500 00
8. School house and lot, on Frederick avenue, subject to a ground rent of $50 per annum	2,000 00
9. School house and lot, on Merryman's lane, at Waverly, subject to a ground rent of $50 per annum	750 00
10. School house and lot, at Carroll, on old Frederick road, subject to a ground rent of one cent	6,500 00

CONDITION OF THE SCHOOLS.

The general condition of the schools is satisfactory, and indicates that material progress has been made during the past year. The continued annual increase

of pupils is encouraging evidence of public confidence. If the people did not believe that good work is done under our present system and management, they would not send their children to the schools.

The pupils of our schools are composed of every class in the community, and all enjoy equal educational advantages. There cannot be one kind of education for the rich and another for the poor. No discrimination is made between children on account of the differences of their social position. All are equally entitled to the same attention and receive the same instruction.

Our system consists of three grades—primary, grammar, and high schools—combining a simple and progressive plan of instruction, and conforms to public demand. Children are admitted in the primary schools at six years of age, and may complete the whole course of study through all grades in twelve years. A large portion of the pupils, however, complete their education in the lower grades, and only a small number enter the high schools. Our system is voluntary, and every parent must determine the kind and amount of education he desires for his children.

The general discipline has been excellent, and the committee has not been called upon to examine a single case of serious infraction of the rules, either by the teachers or pupils. Corporal punishment is still retained in the schools, but can only be inflicted by the principal when he may deem it necessary; and the

reports for all the schools during the year show that they have been generally controlled without resorting to this mode of punishment.

No material changes or additions have been made in the list of books, and the members of the board have been fortunately exempt from the annoyances which are necessarily incident to the contests between book publishers for the introduction of new books.

The Committee on Drawing was desirous of better progress in that department of instruction, and recommended that some additional facilities be furnished to the schools, and also that a Superintendent of Drawing be appointed, who should have general supervision of all the schools. The recommendation was approved by the board, and Professor David A. Woodward was appointed to the position at the salary of $1,800 per annum, subject to your approval.

Instruction in music is given by the regular teachers under the direction of two special instructors, who visit all the schools as often as possible, and assist the teachers in their work. The progress and proficiency of the pupils in this department have been remarkable, and the satisfactory results have been most favorably commended by other teachers of music, who are not connected with the public schools.

By an Act of the General Assembly of Maryland, approved April 7th, 1886, it is directed that physiology and hygiene, with special instruction as to the nature

and effect of alcoholic drinks, stimulants and narcotics upon the human system, shall be taught in all the public schools of the State. Special text books upon these subjects were published in accordance with the above mentioned act, and were adopted for use in our schools. In compliance with this law, the Superintendent of Instruction directed that instruction be given upon these subjects to the pupils of Baltimore City College, Female High Schools, Manual Training School, and Colored High School, and to the 5th, 6th, 7th and 8th grades of the Grammar Schools. The total number who received instruction on these subjects last year, was 10,116.

The reports of the Principals of Baltimore City College, the Female High Schools and the Manual Training School, show the work and condition of these schools, which prove the fidelity with which the teachers have discharged their duties.

TEACHERS' APPOINTMENT AND TENURE.

The condition of public and private schools depends largely upon the character and qualification of the teachers, and it is therefore the duty of those empowered to appoint them to select those who are best fitted for educational work. If scholastic ability was the only qualification necessary for a successful teacher, the usual preliminary examinations would generally decide the question of comparative fitness. But there are other important elements besides a high grade of

scholarship, which are essential to enable the teacher to obtain the best results, and these can only be ascertained by practical work in the schools.

The existing rules have been adopted with a view to furnish the desired information, first by requiring all applicants for positions as teachers to be examined by the Superintendent of Instruction as to their scholarship, and if they pass a satisfactory examination and become eligible, then they must perform probationary service in the schools for a stated period before they can be permanently elected. This furnishes the opportunity for observing their actual work, and assists in the determination of their permanent appointment or rejection.

All teachers are elected annually and their tenure is for one year. Efforts have been made from time to time to change this system of annual elections, but without success. During the past year a proposition was presented, and is now under consideration, making a change in the mode of appointing and removing teachers, and extending their tenure. It is proposed that there shall be a special committee on admission and removal of teachers, whose duty shall be to inquire into the qualification of all applicants who are nominated for appointment, and that no one shall be appointed unless favorably recommended by this committee. Its duties shall also extend to the dismissal and transfer of teachers; and in all cases where charges of neglect of duty or incompetency or personal misconduct

are made, with a view to the removal of a teacher, it shall thoroughly investigate the matter, and report such action as it may deem proper. When a teacher has been elected and served acceptably for two years, his tenure shall thereafter be during good behavior and efficient service.

A difference of opinion exists among the commissioners with reference to this proposition. Those who favor it think it would be a great relief to the teachers to dispense with annual elections, whilst others are of the opinion that the present method is practically a tenure for life, as shown by the long terms of most of those now in the schools. The subject will be carefully considered by the board, with a view to decide what will be for the best interests of the schools.

The number of teachers is now 1,123, most of whom have been connected with the schools for many years.

The number of candidates for examination during the year was 45, of whom 14 passed and 31 failed.

The total number of registered applicants who are eligible for appointment is 573, which will probably be increased during this year; from which it must be apparent that there are many seeking appointment who will never be able to obtain a position in the schools.

In his report, the Superintendent of Instruction earnestly recommends that a training school shall be

established for the purpose of instructing applicants and teachers in the science and practice of teaching. Whilst recognizing the efficiency and good work of the teachers, he thinks that this school would exercise a beneficial influence upon our system, and materially aid them. We cordially approve the recommendation and ask that such additional appropriation be made as may be required to defray the necessary expenses of organizing and conducting this school.

The Superintendent and Assistant Superintendent have also organized a Teachers' Reading Circle in this city, "for the purpose of enabling teachers to pursue a course of professional and academic study," which will doubtless be of great benefit to them and increase their efficiency as teachers.

TEACHERS' ASSOCIATIONS.

We annually commend these associations because they are of great benefit to the teachers. Though they are not directly connected with our school system, yet they undoubtedly aid its work and are entitled to our confidence.

The frequent interchange of opinions and experience between teachers with reference to their school work must be advantageous to all. There is apparently a marked difference in the capability of teachers as shown by the results of their instruction, and the causes which produce better results in some schools than in others might be discovered by a comparison

of the different methods adopted. There is need for cordial co-operation in school work, and it is hoped that all teachers will unite in promoting the good objects of these associations.

In addition to the general association of teachers organized for the consideration of subjects pertaining to their profession, there is also a beneficial association, formed for the mutual benefit of its members, which was incorporated in 1878. Its object is "to provide a fund for the benefit of those members who, through sickness or other personal disability, are prevented from the active discharge of school duty; and also upon the death of any member, to provide a sum of money for the benefit of the family, widow, children or legal heirs of the deceased." Any teacher of the public schools of the city may become a member of the association upon payment of an initiation fee of $1, and an annual membership fee of $3.

During the past year there were 323 members and 2 deaths, and the sum of $806 was paid to sick members who were unable to perform school duty, and $621 to the families of deceased members. Since its organization in 1878, the whole sum paid for sickness has been $7,629.59, and for death assessments $7,492, making the total amount of $15,121.59 paid for beneficial purposes.

The association was organized for mutual aid, and the benefits have, therefore, been confined to members; but it is now their desire to increase the funds of the

association, so that they may be able to assist other worthy and disabled teachers who may not be members.

There are doubtless some teachers who, like persons in other professions, have not been able to save any part of their limited income, and when deprived of their positions in consequence of personal disabilities, they may need assistance. This association purposes to help this class of unfortunate and needy teachers, and it should receive encouragement and pecuniary aid from all teachers and others who are able to contribute to this meritorious object.

PUBLIC SCHOOL LIBRARY.

When the new building was erected for Baltimore City College, in 1874, several rooms were set apart for the purpose of a free library for the use of the teachers, and an appropriation was made for the purchase of books. The state and city have recognized the value and usefulness of free libraries for the use of teachers and pupils of the public schools. The former has enacted that for the benefit of the schools and the encouragement of education, free libraries shall be established in each school district of the counties, and ordered an annual payment for that purpose; and the latter authorized the Board of Commissioners of the city to establish a library at Baltimore City College and each of the Female High Schools, for their use. There can be no doubt about the value of such libraries in connection with the schools, and it is desirable that annual

appropriations should be made for the purchase of such new books as may be needed. Mr. Joshua Plaskitt was elected librarian, and entered upon the discharge of his duties on September 1st, 1888. He has prepared and published a catalogue of all books, properly classified, showing the total number to be about 3,500. The library is not large, but embraces every department of useful knowledge, and the books have been selected with care and good judgment. The report of the librarian shows that over 300 teachers and pupils are now using the library, and that about 1,300 volumes have been taken out by them since the first of October. He urgently recommends the purchase of additional books, and it is hoped that it may be possible to gratify his request by a liberal appropriation for that purpose.

ASSISTANT SECRETARY.

By a special resolution of the board, the title of Clerk of this board was changed to that of Assistant Secretary, and the salary of the position was fixed at $1,500 per annum from January 1st, 1889.

The work of this office is laborious and responsible, and requires all the time of the incumbent, and we are of the opinion that the services performed are fairly worth the proposed salary, and therefore ask your approval of our action.

It is again our painful duty to record the death of another member of our board, who was highly esteemed by all his colleagues.

Robert A. Poulton, Commissioner for the 18th Ward, died on April 23d, 1888, after a painful and protracted sickness. He had been a member of the board for about two years, and had faithfully and satisfactorily performed the duties of his office. He was genial and agreeable in his official and personal relations with the teachers and pupils of the schools, and enjoyed the confidence and regard of all with whom he was associated. He sincerely appreciated the importance and usefulness of our public schools, and did all in his power to promote their success. He was a man of strict integrity, and possessed a high sense of honor, and his actions conformed to his standard of right and duty. Thus he lived among us, beloved and respected by all who knew him, and when he died all felt that they had lost a valued friend. Appropriate resolutions of regret were adopted by the board.

During the past year ten teachers have been removed by death from their field of labor, most of whom had been toiling long and faithfully in our schools. We recall their devotion and earnest zeal in the performance of their duties, and now realize that our schools have lost faithful workers and true friends.

ELLA J. WILLIAMS.

Assistant in Female Grammar School No. 6. Died January 13th, 1888.

KATE J. MARTIN.

Principal of Female Primary School No. 30. Died March 16th, 1888.

BETTIE T. HANNA.

First Assistant in Male Grammar School No. 13. Died April 12th, 1888.

AMELIA KIRK.

First Assistant in Male Grammar School No. 18. Died June 19th, 1888.

KATE A. MILLER.

Assistant in Male Primary School No. 30. Died August 3d, 1888.

MARGARET H. GANTT.

Assistant in English-German School No. 3. Died August 30th, 1888.

KATIE A. LINHARD.

Assistant in Male Primary School No. 16. Died October 1st, 1888.

MOLLIE KENNEALLY.

Assistant in Female Grammar School No. 15. Died October 27th, 1888.

THOMAS J. EDWARDS.

Principal of Male Grammar School No. 21. Died December 14th, 1888.

CONCLUSION.

We have thus briefly reported the work, condition and wants of the schools, and have submitted some suggestions for their future advancement. Whilst all has not been accomplished that was desired, yet the work of the past year has been such as to commend them to public confidence and support.

It is true that our system and its management have been a fruitful theme for discussion and criticism. It has sometimes seemed that those who ought to be its friends and defenders had entered the service of its enemies, and were striving to undermine our educational structure. They profess to be dissatisfied with the commissioners and their methods, and find fault with what has been done, and yet are unable or unwilling to suggest the remedy. Such criticism is neither honorable nor just, and must be the result either of ignorance or prejudice. And yet, probably these hasty and unjust accusations have in some degree been a benefit rather than an injury to our schools, because they have tended to increase the zeal and confidence of the true and intelligent friends of public education, and have united them more closely in its support.

We repeat what we have heretofore said, that our schools should be entirely free from sectarian or political control, and no person should be permitted to assist in their management who would pervert his office to

partisan purpose or for personal benefit. He should be an intelligent, sincere friend of free education, and his whole purpose in this relation should be to promote the interests of the schools, and extend their influences and increase their usefulness.

JOHN T. MORRIS,

President.

IN MEMORIAM.

ROBERT A. POULTON,

DIED APRIL 23, 1888.

BALTIMORE, May 1st, 1888.

At a meeting of the Board of Commissioners of Public Schools held this date the following minute was adopted:

ROBERT A. POULTON, the member of this Board from the Eighteenth Ward, has passed away, and it is proper that the Board should place upon its minutes its sense of the loss sustained in his death. Our departed colleague had been a member of the Board for over two years, and up to the period of the protracted illness preceding his death gave to the discharge of his duties faithful and efficient attention. At the weekly meetings of the Board he was always present, attentive to the business being transacted and giving his vote according to his best judgment, without favor or partialty. As a member of the local committees on a large number of the schools, his work as a commissioner was especially noteworthy. He gave ungrudgingly a large part of his time to this work, and his strong common sense, cheerful disposition and high moral perceptions made that work effective in a marked degree. Teachers, pupils and parents not only confided in him, but loved him. In his death they all, and, indeed the whole community inwhich he lived, felt that they had lost a friend.

In disposition he was genial and warm-hearted, and these traits, coupled with his sterling honesty of character and entire freedom from guile, endeared him to his associates in the Board. In his death the City has lost a public servant whose unselfish services were freely given for the public good, and the members of this Board have met a personal loss in the sundering of a friendship, which had grown in strength as the years went on.

For many weeks he had been absent from his place in this room, confined to his room by serious illness. He gradually gained strength, and, with a hopefulness natural to him, sent message to us that he expected soon to meet with us. He came at last on the evening of the 17th of April, looking as if on the road to full recovery. We again felt the warm grasp of his hand and looked into his honest eye. The President formally congratulated him upon his presence among us once more, to which he responded in few words, but with warm feeling. After the adjournment of the Board he lingered some time, engaged in cheerful converse with us, and expressed the confident hope that thereafter he would be found regularly in his accustomed place at the post of duty. Little did he or his colleagues think in that hour of cordial congratulation that before another meeting took place his life's work would be ended and we would see his face no more. It will be pleasant for us all to remember him as we saw him on that single evening which he was permitted to spend with us before the final summons came.

The great interests which we have in charge require us to go on in the discharge of the duties we have undertaken to perform. If one of us drops by the way his place is filled, and the work of the Board proceeds, but in the midst of the record of that work we now declare that ROBERT A. POULTON was an honest, faithful, efficient, intelligent Commissioner of the Board of Public Schools of Baltimore City.

Attest: HENRY M. COWLES,

Secretary.

REPORT

—OF THE—

COMMITTEE ON ACCOUNTS.

BALTIMORE, December 31st, 1888.

TO THE BOARD:

Your Committee on Accounts, whose duty it is to audit all bills presented to the Board for payment, respectfully report that they have audited bills for current expenses of the schools in the former city limits—exclusive of the Manual Training School, which has a separate appropriation—amounting to $126,531.48, which, with the amount of $613,991.80, paid salaries of all employees of the Board within the aforesaid limits, and $16,971.10 for the Manual Training School, make a total of $757,494.38.

We have also examined the accounts of the Secretary, compared them with the reports of principals of the amounts handed over by them to him previous to the time when the change was made requiring pay-

ments to be made directly to the Secretary, and we find his accounts perfectly correct.

We find that he has received from non-resident pupils $6,104.84, and from intestates' estates $93.99, making a total of $6,198.83. This amount has been paid over to the City Register, as shown by the proper vouchers.

After careful consideration and estimate of the probable increase in the number of pupils, and, of course, a corresponding increase in the amounts required for the several items of expenditure, your committee respectfully submit the following estimates for the current expenditures for the coming year :

ESTIMATES FOR THE YEAR 1889.

For salaries	$630,000
" rents and ground rents	38,500
" books and stationery	45,000
" heating apparatus and its repairs	10,000
" furniture	13,000
" fuel	22,000
" repairs and cleaning	9,000
" incidentals	10,000
	$777,500
For Manual Training School	25,000
	$802,500

For the Annex Schools.

For salaries	$70,000	
" other items	15,000	
		$85,000
		$887,500

Notwithstanding the very great inconvenience to which the Board was subjected by the reduction which was made by the City Council from our estimates for 1888, we still feel it our duty to submit an estimate of such amounts as we *honestly* believe will be required by the Board for 1889, and we trust that the above amounts will not be reduced, as were those of 1888.

The average annual increase in the item of salaries during the last five years has been $17,791. The same amount of increase for 1889 would call for $631,782, and our estimate is $630,000, which will hardly admit of any further reduction.

Although the Council gave us the full amount of our estimate for fuel for 1888, yet on account of the advance in prices over those of 1887, we were unable to put in a full supply; and that we may be able to meet that deficiency this year, we have added $2,000 to last year's estimate for that item.

The estimate for the Manual Training School may appear to be large, but the cause of the increase in the amount required is found in the fact that the number

of pupils on roll in the school is nearly double the number of one year ago, being then 273, and now 510.

For financial statistics see the following statement prepared by the Secretary.

JOHN M. JONES,
J. S. BARNES,
EDWARD A. BURKE,
W. H. B. FUSSELBAUGH, of J.
JOHN Q. McAFEE.
Committee on Accounts.

SECRETARY'S STATEMENT.

The estimate of the Board for the current expenditures for school purposes for 1888 was		$771,500 00
Amount appropriated by the Mayor and City Council		757,500 00
Amount expended by the Board		757,494 38
Amount of unexpended balance		5 62
Amount expended on account of annexed schools		43,302 10

Anticipated receipts as estimated by the Mayor and City Council:

Amount from taxes	$619,501 00	
Amount from all other sources.	154,100 00	
		$773,601 00

Actual receipts from taxes	$583,974 59	
Actual receipts from all other sources	165,920 54	
		$749,895 13

The estimate of the Board for 1888, was itemized as follows:

For salaries	$615,000 00
" rents and ground rents	36,000 00
" books and stationery	45,000 00
" heating apparatus	10,000 00
" furniture	12,000 00
" fuel	20,000 00
" repairs and cleaning	9,000 00
" incidentals, printing, &c	9,500 00
" Manual Training School	15,000 00
	$771,500 00

The amount appropriated by the Mayor and City Council was itemized as follows:

For salaries	$610,000 00
" rents and ground rents	36,000 00
" books and stationery	40,000 00
" heating apparatus	10,000 00
" furniture	10,000 00
" fuel	20,000 00
" repairs and cleaning	8,000 00
" incidentals	8,500 00
" Manual Training School	15,000 00
	$757,500 00

By resolution of the Mayor and City Council, approved December 7th, 1888, the Board was authorized to expend the entire amount appropriated, transferring from one item to another if necessary.

Under this authority the expenditures were as follows:

For salaries	$613,991 80
" rents and ground rents	34,719 25
" books and stationery	38,986 59
" heating apparatus	7,419 19
" furniture	9,077 35
" fuel	19,915 01
" repairs and cleaning	6,937 56
" incidentals	9,476 53
" Manual Training School	16,971 10
	$757,494 38

Of the above amount there was expended, exclusive of Manual Training School:

On account of white schools	$656,291 26
" " " colored schools	84,232 02

The items showing balances from which transfers could be made were:

The item of rents	$1,280 75
" books and stationery	1,013 41
" heating apparatus	2,580 81
" furniture	922 65
" fuel	84 99
" repairs and cleaning	1,062 44
	$6,945 05

The items overdrawn and requiring a transfer to them were:

The item of salaries	$3,991 80
" " incidentals	976 53
The Manual Training School	1,971 10
	$6,939 43

The following tables exhibit the amounts expended by the Board in each month of the year; the itemized and total expenditures for each school; the location of each building; size of lot; size of building; amount of ground rent; estimated value of buildings, &c.

Table showing the amount expended during each month of the year 1888.

Months.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Manual Training School.	Annex Schools.	Totals.
January..	51,419 30	17 35	1,486 96	4,825 54	150 60	.....	26 25	321 51	796 75	.....	59,044 26
February.	51,288 70	282 02	5,662 98	802 50	187 12	628 85	79 50	307 57	1,886 70	.....	61,125 94
March....	51,488 10	335 33	1,320 44	1,603 59	144 42	454 05	270 48	493 62	1,129 85	.....	57,239 88
April.....	51,442 65	249 96	977 21	3,523 93	.....	238 50	1,355 02	521 14	1,227 62	.....	59,536 03
May.....	50,956 85	267 42	893 77	4,432 79	23 50	176 80	861 74	1,210 48	1,550 22	.....	60,373 57
June.....	101,054 50	145 36	430 01	1,776 58	1,242 58	1,450 65	5 50	2,358 32	1,936 80	.....	110,400 30
July.....	.....	1,253 88	.....	5,159 50	2,700 78	750 50	16,167 14	691 06	473 39	9,428 80	36,625 05
August...	50 048 30	1,221 91	.....	781 50	548 71	143 50	177 70	476 75	795 66	1,815 85	56,009 88
September	50,258 50	992 58	8,425 36	1,768 19	380 67	155 25	.....	869 06	1,650 06	11,194 18	75,693 85
October ..	51,561 50	823 93	16,338 04	4,341 42	466 93	1,394 35	106 40	623 07	2,983 98	9,057 29	87,696 91
November.	52,231 35	662 46	2,259 34	3,538 12	303 67	2,198 35	198 00	639 03	195 88	5,903 24	68,129 44
December.	52,242 05	685 36	1,192 48	2,165 59	1,270 21	1,486 55	667 28	964 92	2,344 19	5,902 74	68,921 37
Totals...	613,991 80	6,937 56	38,986 59	34,719 25	7,419 19	9,077 35	19,915 01	9,476 53	16,971 10	43,302 10	800,796 48

TABLE

Showing the itemized expenditures for each of the several schools, and the total expenditures for each school.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense Acc't..	16,780 00	761 75	181 00	565 00	.....	150 00	.....	5,937 56	24,375 31
Baltimore City College..	28,080 00	361 60	1,254 89	4,600 00	37 21	132 30	797 85	1,002 16	36,266 01
East. Fem. High School.	12,023 00	47 98	530 32	540 91	86 56	.....	547 93	180 30	13,957 00
West. " " "	14,716 00	173 97	830 56	1,188 00	49 59	.....	321 60	217 27	17,496 99
Manual Training School.	10,320 25	178 78	1,902 82	480 83	4 40	328 35	599 46	3,156 21	16,971 10
Male Grammar No. 1....	5,280 00	36 88	524 04	177 00	22 63	450 00	310 15	.....	6,355 20
" " 2....	6,221 00	17 75	596 76	122 22	100 44	.....	186 18	230 91	7,475 26
" " 3....	4,146 00	21 50	274 99	225 00	65 35	.....	121 88	19 43	4,874 15
" " 4....	4,920 50	17 50	419 96	300 00	41 64	.....	125 48	6 15	5,831 23
" " 5....	4,354 00	100 77	406 91	300 00	54 27	13 50	107 70	.....	5,337 15
" " 6....	6,749 40	77 80	769 97	550 00	72 80	18 95	233 90	11 20	8,484 02
" " 7....	4,677 50	50 00	464 13	175 00	37 48	4 50	146 86	5 88	5,561 35
" " 8...	6,231 50	66 86	669 57	500 00	61 20	8 00	217 40	2 75	7,757 28
Male G. & P. " 9....	3,803 00	50 37	163 75	360 00	3 50	.....	125 26	73 22	4,579 10
Male Grammar " 10....	5,111 25	45 84	462 83	87 50	55 13	30 75	133 60	13 90	5,940 80
" " " 11 ...	5,204 25	39 10	562 80	9 50	65 75	.....	186 10	9 60	6,077 10
" " " 12....	5,557 50	15 00	490 61	310 34	126 20	.....	219 90	3 00	6,721 95
" " " 13....	3,820 00	43 49	294 73	12 50	35 30	33 00	127 15	.....	4,366 17
" " " 15....	8,363 50	89 52	993 52	400 00	88 50	8 75	298 50	5 00	10,247 29
" " " 17....	4,575 00	37 62	314 37	290 62	35 00	.....	93 40	.....	5,346 01
" " " 18....	4,173 50	15 00	287 75	175 34	30 18	.....	148 65	24 00	4,854 42
" " " 19....	4,877 20	46 48	540 33	137 25	30 51	30 00	84 27	50 33	5,796 37
" " " 20....	6,086 25	62 11	724 49	148 00	51 00	48 00	144 80	.....	7,264 65
" " " 21....	5,732 50	33 25	362 65	310 00	56 57	9 50	181 58	10 50	6,696 55
Total, Male Grammar.	99,883 85	866 84	9,323 56	4,590 27	1,033 45	209 45	3,192 76	465 87	119,566 05

English-German No. 1.	9,320 50	55 50	699 04	150 00	100 48	.....	155 40	21 33	10,502 25
" " 2.	14,215 00	163 70	1,130 50	372 50	80 85	8 00	425 50	18 51	16,414 56
" " 3.	15,727 40	87 68	1,195 70	1,000 00	52 13	13 50	395 93	19 25	18,491 59
" " 4.	14,298 80	45 14	1,219 95	501 75	135 16	152 55	513 63	31 24	16,898 22
" " 5.	11,828 05	80 16	933 91	.....	133 09	94 00	176 40	50 48	13,296 09
Total, English German..	65,389 75	432 18	5,179 10	2,024 25	501 71	268 05	1,666 86	140 81	75,602 71
Female Grammar No. 1.	5,756 50	38 42	270 44	547 38	39 55	9 00	298 70	47 50	7,007 49
" " 2.	4,569 00	20 25	452 17	309 72	12 10	.....	141 50	243 23	5,747 97
" " 3.	3,202 75	20 60	207 24	225 00	56 00	20 50	154 88	24 00	3,910 97
" " 4.	3,660 75	36 07	322 00	300 00	43 93	.....	80 00	4 50	4,447 25
" " 5.	3,142 75	105 70	298 44	300 00	39 08	158 90	89 85	10 69	4,145 41
" " 6.	5,997 70	88 48	655 66	400 00	68 50	82 25	190 00	15 35	7,497 94
" " 7.	4,176 05	67 20	422 06	175 00	25 74	.....	130 73	17 00	5,013 78
" " 8.	5,201 25	76 20	530 35	350 00	31 00	41 50	146 98	15 77	6,393 05
Female G. and P. " 9.	3,151 50	49 75	231 81	600 00	40 20	.....	166 55	10 00	4,249 81
Female Grammar " 10.	4,128 50	47 24	467 26	87 50	39 73	.....	115 75	2 00	4,887 98
" " 11.	4,263 50	12 00	406 99	9 50	55 20	.....	185 20	.....	4,932 39
" " 12.	3,785 25	27 70	333 56	310 33	119 82	38 25	184 00	5 00	4,803 91
" " 13.	3,653 80	29 80	330 00	12 50	32 75	7 50	167 44	3 00	4,236 79
" " 15.	7,320 00	61 10	906 50	.....	22 55	58 00	298 50	.....	8,666 65
" " 16	5,270 40	46 25	372 12	350 00	77 00	23 00	369 54	58 50	6,566 81
" " 17.	4,031 05	52 86	368 69	290 61	39 75	.....	137 15	.....	4,920 11
" " 18.	3,244 00	42 36	249 78	175 33	23 62	.....	143 35	40 20	3,918 64
" " 19.	3,638 25	27 80	319 81	137 25	34 02	.....	74 59	9 75	4,241 47
" " 20.	5,545 30	32 50	629 02	148 00	52 95	28 00	137 50	3 00	6,576 27
" " 21.	6,128 50	41 83	701 43	310 00	79 52	13 75	157 37	17 50	7,449 90
Total, Female Grammar.	89,866 80	924 11	8,475 33	5,038 12	933 01	480 65	3,369 58	526 99	109,614 59
Male Primary No 1....	4,824 00	21 48	204 83	177 00	21 00	5 00	263 00	.....	5,516 31
" " 2....	2,750 25	43 75	151 44	125 00	28 50	.....	107 24	.....	3,206 18
" " 3....	3,268 00	26 55	162 27	225 00	33 00	.....	139 72	.....	3,854 54
" " 4....	3,216 00	17 40	122 24	105 00	35 02	.....	103 31	.....	3,598 97

TABLE SHOWING THE EXPENDITURES FOR EACH SCHOOL—Continued.

SCHOOLS	Salaries.	Repairs & Cleaning.	Books and Station'ry	Rents and Ground Rents.	Heating Apparatus and its repairs.	Furniture.	Fuel.	Incident'ls Printing, &c.	Totals.
Male Primary No. 5.....	4,648 50	10 00	227 90	300 00	56 58	.....	216 75	5 00	5,464 73
" " 6.....	4,134 25	45 13	204 16	56 25	84 03	46 50	111 90	1 25	4,683 47
" " 7.....	2,769 50	63 21	100 51	.....	68 12	15 75	137 15	.....	3,154 24
" " 8.....	2,225 50	109 97	115 13	250 67	181 69	510 70	138 85	.....	3 532 51
" " 10.....	3,188 50	31 71	132 85	100 00	41 45	.....	69 40	.....	3,563 91
" " 11.....	4,793 45	21 10	193 01	378 50	27 75	7 50	171 90	17 74	5,610 95
" " 12.....	4,174 00	53 53	200 00	134 00	75 95	98 25	106 36	21 00	4,863 09
" " 13.....	2,491 70	26 15	88 49	100 00	22 50	.....	72 40	.....	2,801 24
" " 14.....	3,821 25	97 00	151 25	420 00	78 40	20 00	246 38	7 00	4,841 28
" " 15.....	5,041 10	54 10	236 38	350 00	56 23	.....	161 28	7 13	5,906 22
" " 16.....	4,193 75	59 00	188 79	395 00	56 17	.....	203 70	.....	5,096 41
" " 17.....	3,806 50	54 46	179 18	108 50	42 67	25 00	128 43	4 45	4,349 19
" " 18.....	3,222 50	34 00	131 44	157 50	41 62	7 50	128 03	.....	3,722 59
" " 19.....	2,827 50	36 31	164 42	137 25	30 05	79 65	89 24	.....	3,364 42
" " 20.....	6,759 50	188 87	376 73	298 00	180 68	88 90	227 55	.....	8,120 23
" " 21.....	3,696 50	45 10	176 19	160 00	38 83	.....	135 13	3 00	4,254 75
" " 22.....	4,076 70	37 88	197 44	88 75	48 20	.....	92 10	.....	4,541 07
" " 23.....	4,214 75	.....	200 55	75 00	35 00	.....	154 43	.....	4,679 73
" " 24.....	3,252 25	51 09	120 53	200 00	26 21	12 00	116 71	.....	3,778 79
" " 25.....	2,741 50	34 00	183 51	67 00	22 00	.....	96 70	.....	3,144 71
" " 26.....	2,743 75	52 68	99 98	63 00	30 00	8 75	107 15	22 50	3,127 81
" " 27.....	3,672 50	54 85	181 89	137 50	38 45	99 00	139 95	8 00	4,332 14
" " 28.....	4,221 70	88 45	197 80	210 00	85 00	317 25	184 53	19 00	5,323 73
" " 29.....	2,367 50	27 59	93 24	285 00	44 50	8 75	132 30	4 50	2,963 38
" " 30.....	5,797 00	51 40	241 12	825 00	99 16	.....	231 38	.....	7,245 06
" " 31.....	2,610 70	21 01	120 65	127 50	41 83	98 30	97 65	36 10	3,153 74
Total, Male Primary.....	111,550 80	1,457 77	5,143 92	6,056 42	1,670 59	1,448 80	4,310 62	156 67	131,795 39

Female Primary No. 1....	5,145 50	52 38	202 02	547 37	63 80	.....	268 50	.....	6,279 57
" " 2....	2,695 50	43 20	140 55	125 00	40 50	3 75	93 90	7 50	3,149 90
" " 3....	3,288 00	21 08	122 20	225 00	33 00	.....	136 87	.....	3,826 15
" " 4....	3,209 50	28 84	86 62	105 00	37 64	.....	69 00	2 00	3,538 60
" " 5....	4,436 15	.....	192 19	300 00	36 57	4 00	209 85	.....	5,178 76
" " 6....	4,192 00	33 62	204 46	56 25	23 30	172 70	133 40	13 75	4,829 48
" " 7...	2,279 00	12 50	96 44	.....	44 40	9 00	97 85	.....	2,539 19
" " 8....	2,799 60	73 95	103 36	380 17	181 65	500 95	135 58	.....	4,175 26
" " 10...	3,203 50	29 20	115 17	100 00	28 94	.....	57 50	20 43	3,554 74
" " 11....	4,592 20	3 55	235 14	378 50	27 75	7 50	148 00	7 50	5,400 14
" " 12....	4,141 25	80 68	182 89	134 00	70 45	180 95	98 37	17 75	4,906 34
" " 13....	2,258 00	20 10	80 73	100 00	22 50	15 00	60 00	.....	2,556 33
" " 14....	3,353 25	78 30	117 33	420 00	54 98	.....	212 95	6 00	4,242 81
" " 15....	4,768 00	70 27	226 95	350 00	45 13	41 25	123 87	13 12	5,638 59
" " 16....	3,348 00	69 38	160 82	395 00	38 75	8 75	214 25	.....	4,234 95
" " 17....	4,095 80	67 23	182 29	108 50	48 28	40 05	111 75	3 75	4,657 65
" " 18....	3,070 00	31 69	119 90	157 50	32 17	18 00	91 22	8 25	3,528 73
" " 19....	3,071 50	44 01	120 88	137 25	47 05	.....	74 58	5 00	3,500 27
" " 20....	6,205 25	65 21	299 82	628 00	113 08	201 30	208 38	25 35	7,746 39
" " 21....	3,234 75	39 18	92 88	160 00	40 55	4 00	110 50	17 30	3,699 16
" " 22....	3,688 50	22 39	157 71	88 75	35 40	12 00	69 00	.....	4,073 75
" " 23....	3,842 00	.....	194 21	75 00	35 00	.....	150 83	.....	4,297 04
" " 24....	2,693 55	15 00	130 14	200 00	24 44	.....	68 95	.....	3,132 08
" " 25....	2,635 35	39 17	124 00	67 00	20 35	6 00	81 70	3 75	2,977 22
" " 26....	3,037 00	49 37	96 33	63 00	30 00	26 25	75 10	25 00	3,402 05
" " 27....	4,132 05	66 53	192 02	137 50	37 73	90 75	83 92	.....	4,740 50
" " 28...	4,176 75	50 86	180 51	135 00	52 76	8 75	109 37	25 13	4,739 13
" " 29....	2,497 20	8 20	96 86	285 00	44 00	17 50	132 00	.....	3,080 76
" " 30....	5,593 05	85 44	264 35	375 00	27 11	325 85	187 25	18 10	6,876 15
" " 31....	2,671 75	18 25	103 88	102 50	35 09	104 85	79 20	.....	3,115 52
Total, Female Primary.....	108,353 95	1,219 58	4,622 65	6,336 29	1,372 27	1,799 15	3,693 64	219 68	127,617 21

TABLE SHOWING EXPENDITURES FOR EACH SCHOOL—Continued.

SCHOOLS.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
High and Grammar Col'd..	8,521 75	20 50	854 73	476 24	754 10	2,789 60	501 12	370 72	14,288 76
Male Colored No. 1.....	2,435 00	20 00	89 90	153 00	.....	148 20	21 25	.....	2,867 35
" " 2.....	3,864 00	19 21	169 00	12 50	32 50	28 50	96 60	.....	4,222 31
" " 3.....	5,062 05	34 84	227 73	156 00	49 65	17 50	124 15	9 50	5,681 42
" " 4.....	4,687 75	41 51	204 29	590 00	29 53	116 10	96 05	3 00	5,768 23
" " 5.....	3,821 00	38 80	164 39	93 75	37 55	32 25	48 92	12 00	4,248 66
" " 6.....	3,181 00	25 13	128 90	150 00	38 43	.....	92 90	.....	3,616 36
" " 7.....	5,564 35	147 15	262 43	240 00	172 76	214 25	255 68	49 00	6,905 62
" " 8.....	2,829 05	52 75	128 01	65 00	14 68	26 25	66 45	.....	3,182 19
Fem. Colored " 1.....	2,820 40	15 48	145 55	630 00	298 48	706 80	58 35	162 40	4,837 46
" " 2.....	3,638 70	27 35	148 49	12 50	32 50	8 75	84 00	.....	3,952 29
" " 3.....	4,699 00	54 11	223 09	156 00	54 74	35 00	103 90	8 85	5,334 69
" " 4.....	4,024 20	61 30	139 93	590 00	36 85	186 00	71 55	.....	5,109 83
" " 6.....	2,725 50	15 00	119 92	150 00	39 75	13 50	98 75	.....	3,162 42
" " 7.....	6,461 85	86 65	296 17	240 00	128 61	248 75	234 50	13 75	7,710 28
" " 8.....	3,012 25	32 00	142 73	65 00	14 67	17 50	60 00	.....	3,344 15
Total, Colored.....	67,347 85	691 78	3,445 26	3,779 99	1,734 80	4,588 95	2,014 17	629 22	84,232 02

SUMMARY.—Table showing expenditures for each school.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense	16,780 00	761 75	181 00	565 00	.....	150 00	.....	5,937 56	24,375 31
Baltimore City College	28,080 00	361 60	1,254 89	4,600 00	37 21	132 30	797 85	1,002 16	36,266 01
Female High Schools	26,739 00	221 95	1,360 88	1,728 91	136 15	.....	869 53	397 57	31,453 99
Male Grammar Schools	99,883 85	866 84	9,323 56	4,590 27	1,033 45	209 45	3,192 76	465 87	119,566 05
English-German Schools	65,389 75	432 18	5,179 10	2,024 25	501 71	268 05	1,666 86	140 81	75,602 71
Female Grammar Schools	89,866 80	924 11	8,475 33	5,038 12	933 01	480 65	3,369 58	526 99	109,614 59
Male Primary Schools	111,550 60	1,457 77	5,143 92	6,056 42	1,670 59	1,448 80	4,310 62	156 67	131,795 39
Female Primary Schools	108,353 95	1,219 58	4,622 65	6,336 29	1,372 27	1,799 15	3,693 64	219 68	127,617 21
White Schools	546,643 95	6,245 78	35,541 33	30,939 26	5,684 39	4,488 40	17,900 84	8,847 31	656,291 26
Colored Schools	67,347 85	691 78	3,445 26	3,779 99	1,734 80	4,588 95	2,014 17	629 22	84,232 02
	613,991 80	6,937 56	38,986 59	34,719 25	7,419 19	9,077 35	19,915 01	9,476 53	740,523 28
Manual Training School	10,320 25	178 78	1,902 82	480 83	4 40	328 35	599 46	3,156 21	16,971 10
Totals	624,312 05	7,116 34	40,889 41	35,200 08	7,423 59	9,405 70	20,514 47	12,632 74	757,494 38
Annex Schools									43,302 10
									800,796 48

TABLE

Showing the Location of Public School Buildings, Size of Lots, Size of Buildings, Cost of Buildings, Date of Erection, &c.

Schools.	Location.	Size of Lot.	Size of Building.	Ground Rent.	Estimated Value or Cost of Building.	Date of Erection.
Baltimore City College..	Howard street, opposite Centre.....	120x262	100x162	$4,600 00	$134,000	1874
E. F. High School.....	Aisquith and Mullikin.....	102x210	102x56	540 91	97,805	1868
" " "	" "	Rear Bld'g	51x58	.....	.....	....
W. F. High School.....	Fayette street, near Paca.....	98x144	72x132	1,188 00	60,000	1858
Manual Training School.	E. side Courtland street, near Saratoga....	144^{6}x90	44x90	220 00	18,350	1868
Male Gram. and P. No. 1.	N. E. corner Fayette and Greene streets...	97x102	83x96^{7}	354 00	17,350	1880
Fem. Gram and P. No. 1.	S. W. corner Fayette and Greene streets..	77^{6}x170	62x140	1,094 75	29,520	1875
Grammar No. 2.....	S. W. corner Broadway and Bank street..	100x141	101^{3}x38^{11}	244 44	30,000	1888
" " 2.....	" " " " " "	Rear Bld'g	52^{2}x87	.....	.....	....
" and P. " 3.....	West side High street, north of Fayette...	80x167	50x145	900 00	28,863	1875
" " 4.....	East side Sharp street, near Montgomery..	100x155	56x85	600 00	20,000	1869
" " 5.....	S. W. corner Greenmount av and Eager st.	66x150	55x100	600 00	17,000	1872
" " 6.....	N. E. side Division street, near Lanvale...	104^{2}x171^{3}	55x120	800 00	28,338	1877
" " 7.....	S. E. corner Eastern avenue and Burke st.	100x140	52x105	350 00	13,823	1880
" " 8*.....	N. side Hollins street, near Fulton.....	139x129	54x112	700 00	19,512	1877
" " 10.....	S. E. corner William and Warren streets.	70x140	44x103	175 00	17,900	1850
" " 11.....	N. W. corner Bond and Jefferson streets..	70x152^{3}	56^{3}x116	19 00	17,019	1884
" " 12.....	S. side Ridgely street, near Fremont.....	124^{1}x155	73x125	620 67	29,265	1877
" " 13.....	E. side Aisquith street, near Mullikin.....	55x180	44x100	25 00	20,000	1870
M. " " 15.....	E. side Carrollton av., near Lexington st..	100x150	55x107	400 00	25,000	1860
F. " " 15.....	" " " cor. "	49^{6}x103	48^{11}x135^{1}	In fee.	18,000	1886
" " 16.....	Corner Hull and Clement streets.....	100x155^{5}	56^{4}x113^{4}	350 00	11,000	1882
" " 17.....	E. side Washington street, near Fayette..	93x190	52x80	581 25	17,000	1871
" " 18.....	N. side Mulberry street, near Fremont....	87^{3}x134	54x85	350 67	20,000	1868

Gram. and Prim. No. 19...	E. side Park avenue, near Preston street..	91⁶x150	68 x103	$ 549 00	$32,000	1869
" " " 20...	N. W. corner Preston and Eden streets...	100 x207	51 x167	592 00	34,000	1868
Grammar No. 21.....	N. E. corner Presstman and Gilmor streets	102⁵x155⁷	55 x121	620 00	24,000	1876
Eng.-Ger. No. 1.....	E. side Druid Hill ave., near Biddle street.	75 x100	44 x100	150 00	15,000	1841
" " 2.....	N. E. corner Charles and Ostend streets.....	74⁶x219	56 x150	372 50	24,925	1882
" " 3.....	N. side Baltimore street, near Aisquith....	90 x170	54 x118	1,000 00	15,026	1879
" " 4.....	S. W. corner Chase and Ann streets.....	82 x223	56 x133²	501 75	20,000	1882
" " 5.....	W. side Fremont street, near Lombard....	74 x150	44 x 65	In fee.	10,000	1843
Primary " 2.....	N. E. corner Gough and Stiles streets.....	75 x 92	32 x 55	250 00	10,000	1854
" " 4.....	N. E. corner Hanover and Lee streets.....	80 x 76⁶	52 x 76	210 00	10,000	1834
" " 5.....	S. E. corner Broadway and Chew street	120 x120	60 x113	600 00	18,791	1876
" " 6.....	E. side Ann street, near Canton avenue.....	65 x140	46 x100	112 50	14,831	1878
" " 7.....	N. side Mullikin street, near Aisquith.....	74 x100	45 x 65	†	6,000	1864
" " 8††	E. side Caroline street, near Lombard....	105⁵x150	94⁷x 59⁷	221 34	18,000	1888
" " 10	N. side Hollins street, near Schroeder.....	60⁸x134	46 x 70	200 00	5,000	1855
" " 11	S. E. corner Gilmor and Mosher streets.....	126²x156¹⁰	57⁹x104	757 00	19,200	1886
" " 12	S. W. corner Barre and Warner streets....	67 x120	55 x 84	268 00	18,000	1870
" " 13	N. side Jefferson street, near Caroline. ...	83⁶x 80	32 x 80	200 00	6,000	1855
" " 14	Corner Linden avenue and Wilson street..	105 x150	55 x117	840 00	15,500	1882
" " 15	S.W. cor. Saratoga st. and Carrollton ave...	100 x150	50 x120	700 00	22,800	1872
" " 16	N. E. cor. Harford ave. and Chew street...	105 x158	56 x113	790 00	21,451	1876
" " 17	S. W. cor. Light and Poultney streets....	62¹x122	50 x 72	217 00	10,000	1875
" " 18	E. side Argyle ave., near Lanvale street....	80 x140	45 x 68	315 00	7,000	1858
" " 21	E. side Pennsylvania ave., cor. Robert st....	80 x155	50 x 80	320 00	18,500	1869
" " 22	S. side Ramsay street, near Scott.....	71 x128⁶	45 x 95	177 50	11,000	1855
" " 23	N. E. corner Gough and Wolfe streets....	75 x110	57⁹x104	150 00	18,000	1886
" " 24	Corner Chesapeake and Hudson streets....	80 x100	32 x 50	In fee.	8,000	1853
" " 25	W. side Caroline street, near Bank.....	76 x 90	45 x 65	134 00	5,000	1867
" " 26	N. side Orleans street, near Bond.....	84 x 75	50 x 65	126 00	15,000	1874
" " 27	S.W. corner Fayette and Chester streets ..	92 x120	48 x 72	274 50	18,000	1869
" " 28	N. W. cor. Battery ave. and Clement street.	75 x 82	46 x 82	270 00	12,000	1869
" " 29	Sharp street, near West.....	114 x155	55⁹x104	570 00	21,600	1886
" " 30*.....	N. side Hollins street, near Fulton.....	150 x129⁶	55 x 82	750 00	15,618	1874
" " 31	N. E. corner Pierce and Schroeder streets.	60 x100	34 x 70	180 00	8,000	1854

TABLE

Showing the Location of Public School Buildings, Size of Lots, Size of Buildings, Cost of Buildings, Date of Erection, &c.—Continued.

Schools.	Location.	Size of Lot.	Size of Building.	Ground Rent.	Estimated Value or Cost of Building.	Date of Erection.
Col'd High and Grammar } " Prim. Female No. 1 }	N. side Saratoga street, near Charles	66 x193	52[2]x126[3]	$600 00	$25,000	1888
" " Male No. 1	E. side Holliday street, near Lexington	52 x107[6]	52 x 80[6]	306 00	10,000	....
" " No. 2	E. side East street, near Douglass	75 x105	49 x 80	25 00	14,809	1874
" " " 3	S. E. cor. Howard and Montgomery streets	50 x104	40 x 64	160 00	10,000	1872
	Hill street, near Sharp	48 x 90	34 x 50	192 00	6,000	1854
" " " 5	S. side Eastern avenue, near Broadway	51 x 60	51 x 60	93 75	3,000	....
" " " 6	N. side Barre street, near Eutaw	65 x112	40 x 80	300 00	15,000	1854
" " " 7	N. side Waesche street, near Fremont	143[9]x120	59 x120	480 00	22,074	1877
" " " 8	S. E. corner Bond and Chew streets	80 x 80	40 x 54	130 00	8,000	1864
Vacant lot	N. E. cor. Patterson Park av., and McElderry st.	106 x155	.....	530 00	.....	....
Annex School No. 1	Homestead, Gorsuch ave., and Tyler st	.....	.....	In fee.	.....	....
" " 2	Waverly, York road, near Merryman's lane	.....	.....	"	.....	....
" " 3	Oak and Fifth streets	.....	.....	"	.....	....
" " 5	Hampden, Merryman's lane	.....	.....	"	.....	....
" " 7	Woodberry, on Woodberry avenue	.....	.....	22 50	.....	....
" " 8	Clifton, on Clifton avenue	.....	.....	In fee.	.....	....
" " 9	Calverton, Bloomingdale road	.....	.....	"	.....	....
" " 10	Carroll, old Frederick road	.....	.....	00 01	.....	....
" " 11	Millington, new Frederick road	.....	.....	50 00	.....	....
Annex Col'd School No. 1	Waverly, Merryman's lane	.....	.....	50 00	.....	....
	Amount of ground rents	.....	.....	$29,948 53	.....	....
	" " " Annex schools	.....	.....	122 51	.....	....
	Estimated value of buildings	.....	.....	.....	$1,319,870	....

*The two lots leased for Gram. No. 8 and Prim. No. 30 aggregate 289 front feet, but only 160 feet are used by those buildings.

†House built on the rear of lot leased for Eastern Female High School.

††Of the 105[5] front, 32 have a depth of 92 feet, and 73[5] have a depth of 150 feet.

Table showing location of rented buildings, by what schools occupied and amount of rent payable.

General storage, Hasselberger court.....	$ 300 00
Manual Training School, 306 Courtland st..	400 00
Male Grammar No. 2, Broadway Hall.....	.....
Male Grammar No. 6, 1226 Pennsylvania avenue	150 00
Male Grammar No. 8, and Primary 30, 1718 Frederick avenue	300 00
Male Grammar No. 9, 406 Courtland street.	360 00
Female Grammar No. 2, Regester street, near Bank.....	450 00
Female Grammar No. 9, 411 Courtland st..	600 00
Primary No. 6, Canton ave., near Broadway.	300 00
Male Primary No. 20, 1227 Harford avenue.	600 00
Female Primary No. 20, 1122 Harford ave..	480 00
Primary No. 24, Hudson and Patuxent sts.	400 00
Primary No. 28, 1411 William street.....	300 00
Male Primary No. 30, Baltimore and Monroe streets.....	300 00
Female Primary No. 30, 1707 Hollins st...	240 00
Primary No. 31, 503 N. Schroeder street...	300 00
Colored Primary No. 4, Biddle street, near Pennsylvania avenue.....	1,180 00
	$6,660 00

Annex No. 3, Huntingdon and Maryland avenues	$ 480 00
Annex No. 4, Chestnut and Second avenues (Hampden)	315 00
Annex No. 6, Hickory avenue, near Fourth avenue (Hampden)	350 00
Annex No. 10, 13 Fairview avenue	180 00
Annex No. 12, Lombard st., near Wilkins.	500 00
Annex No. 13, Mine Bank lane, north of Gay street	360 00
Annex No. 14, Park Heights avenue, near Arlington	120 00
Annex Colored No. 2, Reisterstown Turnpike, near Arlington	50 00
Annex Colored No. 3, Mount Olivet lane (Carroll)	96 00
	$ 2,451 00
Amount of ground rents within the old limits.	29,948 53
Amount of rents within the old limits	6,660 00
	$36,608 53
Amount of ground rent in Annex..$ 122 51	
Amount of rents in Annex 2,451 00	
	2,573 51
	$39,182 04

HENRY M. COWLES,

Secretary.

SCHEDULE

— OF —

Salaries of Officers and Teachers

— OF —

PUBLIC SCHOOLS.

GENERAL EXPENSE ROLL.

Superintendent of Public Instruction	$2,500
Assistant Superintendent	2,000
Secretary	2,000
Assistant Secretary	1,500
Superintendent of Supplies	1,200
Librarian	1,000
Superintendents of Music, each	1,500
Teachers of Drawing, each	500
Librarian of Public School Library	900

BALTIMORE CITY COLLEGE.

Principal	$2,400
Professors (not otherwise specified)	2,000
Professor of Writing and Book-keeping	1,800
Professor of Drawing	1,800
Adjunct Professors	1,800
Tutors	1,000

FEMALE HIGH SCHOOLS.

Principals	$2,208
First Assistants	1,008
Second Assistants	900
Teachers of French and Drawing, each	900

MALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
First Assistants (male)	804	900	
First Assistants (female)	588	672	
Second Assistants	456	516	
Third Assistants	444	504	

FEMALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.
Principals	$804	$900
First Assistants	564	648
Second Assistants	444	504
Third Assistants	432	480

SATURDAY NORMAL CLASS.

Principal	$200
Assistants	150

MALE AND FEMALE PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$600	$696	
Assistants	408	432	$468
Teacher in charge of lowest grade.			504

UNCLASSIFIED SCHOOLS.

Composed of Primary and Grammar Scholars, and not otherwise designated.

	1st Year.	2d Year.	3d Year.
Principals	$696	$780	$900
First Assistants	504	552	600

ENGLISH-GERMAN SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
Vice-Principals	804	900	1,008
First Assist's (Eng. Fem)	564	648	
First Assistants (Ger. Male)	600		

Other assistants in grammar grades, same as third assistants in male grammar schools.

Assistants in primary grades, same as assistants in primary schools.

Teacher in charge of lowest grade $504

MANUAL TRAINING SCHOOL.

The present Principal of this school is an officer of the U. S. Navy, detailed for service at this school, and receives from this Board ..... $ 500

First Assistant	* 1,200
Instructors	* 1,200
Assistants	*$600, *720, *900, * 1,000

HIGH AND GRAMMAR COLORED SCHOOLS.

The same as Male Grammar Schools.

*Subject to the approval of the Mayor and City Council.

COLORED (PRIMARY) SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (male)	$804	$900	
Principals (female)	600	696	
First Assistants (male)	700		
Assistants (female)	408	432	$468
Teacher in charge of lowest grade.			504

EVENING SCHOOLS.

Principals, $2 per night for actual service.
Assistants, $1.50 per night for actual service.

The Schedule of Salaries to be subject to the following conditions:

All below the grade of second assistant in male and female grammar schools to be graded as third assistants, the Board of School Commissioners to determine, at the annual election, the grade of each assistant; in case of failure to do so, the senior assistant to grade highest in all cases.

In male and female grammar schools not employing three assistants, the lowest assistant shall rank as third assistant, and so continue until there are three assistants employed in that school, excepting the first assistant, who shall, in all cases, rank as first assistant.

Teachers who may have served for *two full* years in any of the public schools of Baltimore, upon promotion to grammar schools, shall be entitled to the second year's salary of that grade to which they may be assigned, excepting that of principal.

Teachers who may have been engaged in teaching for *three* years previous to their election, shall be entitled to the highest salary of that grade to which they may be assigned (excepting that of principals of grammar schools) upon producing satisfactory evidence of that fact to the President of the Board.

Teachers elected during the month of September shall receive the full salary for the months of July and August of the succeeding year; those elected in October shall receive nine-tenths of said salary; in November, eight-tenths, and so on to the close of the scholastic term.

Any teacher who shall have served the usual probationary period of ninety days before the close of the scholastic year, and who shall be elected at the annual election, shall receive her proper proportion of salary for July and August.

When transfers are made from one school or position to another, the teacher transferred shall draw the salary of the position from which he or she has been transferred till the end of the month in which the transfer shall be made.

SALARIES OF JANITORS, JANITRESSES AND FIREMEN.

Janitor and Fireman of Baltimore City College	$1,000
Janitor of Manual Training School	720
Fireman of Manual Training School	500
Firemen of Female High Schools, each	400
Janitresses of Female High Schools, each	300

Fireman and Engineer of No. 3 English-German School, $30 per month; and for all furnaces in other schools, $5 each per month.

Janitresses of schools having three classes shall receive $8 per month; four classes, $9 per month; five classes, $10 per month; six classes, $10.50 per month, and increase fifty cents per month for each additional class. They shall receive additional compensation for making fires in stoves from October to April inclusive, at the rate of fifty cents per month for each stove on the first floor, and seventy-five cents for each stove on the second and third floors. Janitresses of Evening Schools, $5 per month.

REPORT

—OF THE—

Superintendent of Public Instruction.

BALTIMORE, JANUARY 1st, 1889.

To the Honorable the Mayor and City Council,
and the Board of Commissioners of
Public Schools of Baltimore City.

GENTLEMEN:

The following report of the statistics and condition of the public schools for the year ending December 31st, 1888, is submitted for your consideration.

SUMMARY OF STATISTICS.

Population of Baltimore—estimated.		500,343
Enumeration, School Census 1888....		110,731
School age.....		6 to 21
Basis of taxation.....		*$167,000,000
School-tax, City 24 mills, State 10 mills.....		34 mills.
Number of Pupils in school during the year.....		*55,120
Increase.....	*1,423	

*Not including annex.

Number of Pupils on roll December 31st, 1888		*41,966
Increase	*767	
Number of Teachers December 31st, 1888		*1,011
Increase	*34	
Number of Schools		*124
Same as last year	—	
Percentage of Attendance on enrollment		85
Decrease	2	

HIGH SCHOOLS.

Number of pupils on roll December 31st		1,079
Decrease	19	
Percentage of Attendance		92
Decrease	1	
Number of pupils to a teacher on enrollment		27
Increase	2	
Number of pupils to a teacher on average attendance		24
Increase	1	

MANUAL TRAINING SCHOOL.

Number of pupils on roll December 31st		510
Increase	237	

*Not including annex.

Percentage of Attendance		90
Decrease	1	
Number of pupils to a teacher on enrollment		38
Increase	8	
Number of pupils to a teacher on average attendance		35
Increase	8	

GRAMMAR SCHOOLS.

Number of pupils on roll December 31st		11,567
Decrease	133	
Percentage of Attendance		87
Same as last year	—	
Number of pupils to a teacher on enrollment		38
Decrease	1	
Number of pupils to a teacher on average attendance		34
Same as last year	—	

ENGLISH-GERMAN SCHOOLS.

Number of pupils on roll December 31st		4,826
Increase	43	
Percentage of Attendance		90
Decrease	2	
Number of pupils to a teacher on enrollment		43
Increase	2	

Number of pupils to a teacher on average attendance		38
Same as last year	—	

PRIMARY SCHOOLS.

Number of pupils on roll December 31st		18,454
Increase	494	
Percentage of Attendance		82
Decrease	2	
Number of pupils to a teacher on enrollment		42
Same as last year	—	
Number of pupils to a teacher on average attendance		35
Decrease	1	

COLORED SCHOOLS.

Number of pupils on roll December 31st		5,530
Increase	145	
Percentage of attendance		81
Decrease	2	
Number of pupils to a teacher on enrollment		41
Decrease	1	
Number of pupils to a teacher on average attendance		34
Decrease	1	

ANNEX SCHOOLS.

Number of pupils on roll December 31st	4,555
Percentage of Attendance	85
Number of pupils to a teacher on enrollment	45
Number of pupils to a teacher on average attendance	39

The number of pupils on roll December 31st, 1887, was 41,199—the number on roll December 31st, 1888, was 41,966 (exclusive of the Annex), showing an increase of 767 pupils for the year 1888.

The number in the High Schools increased 19, the number in the Manual Training School increased 237, the number in the Grammar Schools decreased 133, the number in the English-German Schools increased 43, the number in the Primary Schools increased 494, and the number in the Colored Schools increased 145.

In the High Schools (including the College and the Manual Training School) there was an increase in the number of pupils pursuing the studies of all the different years except the third, in which there was a decrease of 272 pupils.

In the grammar schools (including the grammar school pupils in the English-German and Colored schools) there was an increase in the number of pupils pursuing the studies of the different grades except the

seventh and fourth, which decreased 155 and 250 pupils respectively. As the increase in the Manual Training School was caused, in the main, by the transfer of pupils from the grammar schools, few of whom were promoted from the eighth grade, at the examination in June, many of this number should be classed as grammar school pupils, which would make an increase in the number pursuing grammar school studies, instead of a decrease.

In the primary schools (including the primary school pupils in the English-German schools, and the Colored schools) there was an increase in the number of pupils pursuing the studies of the different grades except the third, in which there was a decrease of 97 pupils.

SCHOOL ACCOMMODATIONS.

The new buildings erected within the last ten years, for the use of the primary and the grammar schools, have, in most instances, been put up in the place of old buildings, and while providing *better* accommodations they have not greatly increased the amount of space formerly occupied. Accommodations have not been increased, in certain parts of the city, in proportion to the growth and requirements of their school population. In some localities parents are not able to secure places in the schools for their children for the lack of accommodations, and some of the schools are so overcrowded that it is impossible for the teachers to do their work in a satisfactory manner. Your attention is called to

the needs of the following schools in regard to accommodations.

No. 6 Grammar School. The building is not sufficiently large to accommodate the pupils belonging to the school—some of the classes of each department have to be instructed in other buildings—one in a rented room on Pennsylvania avenue. While this is the case it is also true that, parents living in the neighborhood who wish to send their children to the school cannot do so on account of the lack of room. Another grammar school is, or will soon be, needed northeast of a line extending from Grammar School No. 21 to Grammar School No. 6 to relieve somewhat these schools and to provide accommodations for the increasing population of that section of the city.

No. 8 Grammar School. Rooms have to be rented in the neighborhood to accommodate a class of the male department, and the female department is so overcrowded that it is impossible for the teachers or pupils to do thoroughly satisfactory work. This neighborhood has recently rapidly increased in population, and continues to do so, and it is necessary not only to provide increased accommodations for the pupils already enrolled, but for a prospective increase. It is recommended that a building for the grammar school be erected on the lot, in the vicinity, belonging to the city, and that one of the departments of Primary School No. 30, which is also overcrowded and compelled to use rented rooms, be moved to the building now occupied by the grammar school.

No. 9 Grammar and Primary Schools have been located in rented buildings on Courtland street since the building they formerly occupied was taken for the use of the Manual Training School. The rented buildings, formerly dwelling houses, are not suitable for school purposes. The class rooms are too small and their lighting and ventilation are very imperfect.

No. 19 Grammar. The building is overcrowded and has been so for several years. The rooms are small, badly lighted and ventilated, and inconveniently arranged. In the male department it is necessary for two teachers to instruct their classes in the same room, and gas has to be constantly used in some of the rooms on the lower floor of the building. Parents living in the neighborhood are unable to obtain admission for their children for the lack of room, and some of them have taken their children from the school on account of the unsuitable character of the accommodations. This case is urgent and demands immediate attention. It would be well to re-arrange the interior of this building, improve the lighting and ventilation, and use it entirely for the grammar school, and to erect a suitable building for the primary school northeast of this locality.

No. 20 Grammar School. The building occupied by Primary and Grammar Schools No. 20 does not afford sufficient room for these schools. It contains only twenty-nine class-rooms, while the number of enrolled pupils requires forty-nine teachers for their instruc-

tion. Some of the primary classes (eleven) are instructed in very unsuitable rented rooms in the neighborhood, and, in the main building in several instances two classes have to occupy the same room. The present accommodations, on account of the bad arrangement of the rooms, the lack of ventilation and light, and the unavoidable overcrowding, are unhealthy, and under such circumstances it is impossible for the schools to be as efficient as they would be under more favorable conditions. This section of the city is steadily increasing in population, and will continue to do so, consequently the need for increased accommodations will be more and more felt, and in supplying them, it is recommended not only to provide for the immediate wants of these schools, but also for their prospective needs, and to do so in such a way as to promote the good of the schools in the neighborhood, especially Grammar School No. 5, and Annex School No. 1, at Homestead.

English-German School No. 3. The overcrowded condition of this school has been materially decreased, if not remedied, by transferring some of its classes to the unoccupied rooms of the new building recently erected for the use of Primary School No. 8. The school now occupies sixteen rooms in the main building, two in Grammar School No. 13, and five in Primary School No. 8. By our plan of organization the principal is required to instruct a class, and to overlook the work of his school. When the classes are so far away from the school it is manifestly impossible for him to give the supervision to his classes

that is necessary to perfect the organization and working of the school, and it is obviously important that all the classes under one principal should be located in the same building. Grammar Schools No. 3, No. 13 and No. 12, and several of the primary schools in the vicinity of English-German schools, have greatly fallen off in numbers, and in consequence have not a sufficient number of pupils to fill all of their rooms, while the English-German schools have outgrown their buildings and are gradually occupying the vacant rooms of the former schools. If this goes on the English-German schools will in time crowd out these old schools entirely, and their buildings will be used by the existing English-German schools. As this crowding out process proceeds, some of our most efficient teachers will lose their places, while new teachers will be required by the increasing English-German schools. In this way the English-German schools will become larger and larger and more difficult to manage, scattered as each school would be in the buildings acquired from the other schools. It is important therefore to adopt some means to provide for this difficulty, both for the purpose of preserving the unity of the English-German schools, as also for the purpose of preserving the organization and efficiency of the other schools in their vicinity and utilizing their rooms. At a meeting of the local committee of Grammar School No. 12 it was recommended that the following plan would most probably remove the difficulty or modify it in a great measure: Appoint in each of these grammar schools teachers in sufficient number to provide instruction in

German for each grade one hour a day. German should be an optional study—pupils not desiring to study it should not be required to do so. The plan would necessitate a moderate increase of expense—the pay of the extra teachers and the cost of German text books—but the utilization of valuable unoccupied school-space, and the preservation of the organization of these old well-established schools would more than compensate for the outlay.

English-German School No. 5. This school has outgrown the building which formerly afforded it sufficient room, and the teachers labor under great disadvantages. Two classes have to be taught in the building occupied by Grammar School No. 12. Eight of the rooms in the west end of the building are unfit for class-rooms on account of their size and the imperfect manner in which they are lighted and ventilated.

No. 4 Colored School is so overcrowded that some of the rooms, only large enough for one class, have to be occupied by two teachers with their classes. Pupils living in the neighborhood, applying for admission, cannot be admitted on account of lack of room, and as Colored School No. 7 has as many pupils as the building will accommodate, it will be necessary to provide additional accommodations for this school, unless considerable relief is afforded when the new building, in the course of erection, on Carrollton avenue and Riggs avenue, is opened.

In the report of the Assistant Superintendent, Mr. John E. McCahan, herewith presented, will be found information in regard to the buildings occupied by the primary schools.

ANNEX SCHOOLS.

The schools in the annexed district became a part of the school system of Baltimore City on the 1st of June, 1888, but it was arranged that they should remain under the management of the Baltimore County School Board until the end of the scholastic year, July 1st. So far as their work proper is concerned, they did not become a part of the city system until the beginning of the scholastic year, September 1st.

During the holidays, I met the principals of the schools and arranged with them a plan of re-organization, so that their schools might be graded and arranged on the plan of the city schools, and be ready to go to work without unnecessary delay when the schools opened in September.

The following table exhibits a comparison of the length of time required to complete the studies pursued in the grades of the city and county schools:

COUNTY.		CITY.
1st grade, 6 months 2d " 6 "	equivalent to	1st grade, 1 year.
3d " 1 year	"	2d " 1 year.
4th " 1 "	"	3d " 1 year.
5th " 2 years	"	4th and 5th grades, 2 years.
6th " 2 "	"	6th and 7th " 2 "
7th " 2 "	"	8th and 9th " 2 "

When the schools opened in the fall, by means of the results ascertained by their examinations held in June, the principals were able without delay to grade their schools, in accordance with the course of study pursued in the city schools.

Most of the pupils, 3,054 of the total number 3,840, were in the 1st, 2d, 3d and 4th grades, which correspond very nearly to the 1st, 2d and 3d grades, or the primary schools of the city.

During vacation the members of the Board constituting the Committees on the "Belt" and Furniture, and the Superintendent of Supplies inspected the houses occupied by these schools and put them in good condition for occupancy in September. In September the schools re-assembled in the buildings they formerly occupied, which had been purchased or rented by the city, and under their former teachers went to work on the course of study pursued in the city schools. From the limited examination I have been able to make, they seem to be in the hands of good teachers, and to be doing their work well.

Their grading has not yet been thoroughly effected, as was to be expected under the circumstances, many of the pupils are in classes in advance of their attainments, but the attention of principals has been directed to this matter, and in time it may be expected that this trouble will cease to exist.

They are composed of pupils of both sexes, and most of them constitute what we call "unclassified schools," that is, schools composed of both primary and grammar school scholars. Their separation into male grammar, female grammar, male primary and female primary schools would be attended with serious injury to the schools and increased expense to the city, without gaining any compensating advantage. For many reasons the co-education of the sexes is not undesirable. It simplifies and cheapens organization. Pupils from one household often attend the same school, and parents have thus a better opportunity of knowing how their children are progressing. The two classes of scholars exert a beneficial effect on each other, as to refinement, neatness, conduct, diligence and progress. The arguments against co-education in colleges do not apply here, as the children have access to and play in different yards, and in going to and returning from school they have no more opportunity to be together than would be the case if they attended different schools. In school they are constantly under the eye of their teachers, and perfect propriety is observed. Wherever co-education prevails, girls have a better course of study provided for them, and thrown in rivalry with the opposite sex, their minds are much more strongly developed. In view of the fact that most of our teachers are women it is necessary that the education provided for girls should be kept fully abreast of that for the boys.

The most effective organization of our city schools

would require each grammar school principal to have control of both the male and female grammar schools located in the same building, and also of the primary schools in the same neighborhood. His time, with the exception of about two hours a day devoted to teaching a class, should be used in visiting classes, inspecting the work of the teachers, advising them, and in showing them how to use the best methods to improve their work, and have it done thoroughly and in harmony with that pursued in the other grades of the school. I mention this here as the status of some of the schools in the belt offers the opportunity of putting a portion of our system under this plan of organization.

Annex School No. 2, at Waverly, as it enlarges might be organized in this way, composed of primary and grammar school pupils of both sexes, and all under the management of a supervising principal, whose duty it would be to bring this group, I may say, of schools into thorough and harmonious working.

The school-houses of the annexed district, as population increases, will be found too small and unsuited in various ways to meet the requirements of their neighborhoods, and in time many of them must be replaced by new buildings. When these buildings are put up, one at a time most probably, a general system, looking to all the interests concerned, should be followed, both as to the plan of construction and their location. Pupils large enough to attend grammar schools are

capable of walking longer distances than those who attend primary schools, and fewer grammar schools, if they should be separated into primary and grammar schools, located further apart, will be required than primary schools. The buildings should be arranged after one of our best models, with class-rooms allowing each pupil at least 15 square feet of floor space and 210 cubic feet of air space. In supplying some of the schools with new buildings, or, with increased accommodations, which are required within the limits of the old city, consideration should be given to the effect their erection or enlargement will have upon the schools in the annexed district. These matters should not be left to the uncoöperative efforts of individuals, but all of them should be considered and done in conformance with the plan adopted by the committee appointed by the Board to make recommendations to be submitted to the Mayor and City Council.

Annex School No. 1. The building contains only four rooms for the accommodation of five teachers with their classes.

Annex School No. 3. On account of the insufficiency of accommodation in the main building, four teachers with their classes have to be accommodated in the basement of a church two squares from the school.

Annex School No. 4. This school occupies a building consisting of only two very large rooms, one on the first and the other on the second floor. The eight classes, numbering 356 pupils, taught in these rooms,

are separated from each other only by means of low screens, as high ones would shut out the light. There are scarcely any yard conveniences, and it is necessary to provide this school with suitable accommodations.

Annex School No 9. The school consists of five classes, and four rooms in the building are insufficient to afford the necessary accommodations.

Annex School No. 10. The building consists of only four rooms; six teachers are employed in the school, and two of them with their classes occupy a rented building in the neighborhood.

Annex School No. 11. The building contains only five rooms for the accommodation of six teachers with their classes.

Annex Colored School No. 1. The building occupied by this school contains only two rooms occupied by three teachers with their classes.

In directing your attention to the needs of the system in regard to buildings, care has been exercised to make mention of such only as are pressing and demand consideration.

SUPERVISION ON THE PART OF PRINCIPALS.

In addition to the duty of teaching a class, the discipline of the school is under the control of the principal at all times, and it is his duty also to require a faithful discharge of duty on the part of assistants.

In order to comply with the requirements of the rules, it is necessary for the principal to visit the classes taught by his assistants for the purpose of obtaining information as to the following facts: the length of lessons given for home study; the influence of the teacher in getting pupils to prepare such lessons; the discipline of the class in respect to attendance, neatness, order, industry, habits of study; whether each part of the work is up to the point it should be; and whether there is reason to expect that when the time for promotion arrives the pupils will be ready to begin successfully the work of the next grade. It is too late to put off getting this information until the end of the year, when the examinations are held, and in order to bring his school up to a condition of thorough efficiency, it is necessary for the principal to ascertain the defects existing in every part of the school before it is too late, and to adopt measures promptly to remove them. It is true that a principal, who teaches a class, besides attending to his other duties, has a great deal to do, more probably than one person can thoroughly perform, but when many duties demand our time and attention, it is wise to economize our efforts by using them in such a way that they may be productive of the greatest amount of good to all the interests concerned. A principal who by timely and effective supervision succeeds in getting the work of each grade done thoroughly, and in proper relation to that of the other grades, will find when the pupils have advanced to his class, that they have acquired in the lower grades such habits of study and knowledge of their work that they

are fully prepared to take up the studies of his grade, and that much of the time that should be used in teaching the work of his grade will not have to be used in doing what ought to have been done in the grades below. The time taken for the proper supervision of the lower grades is really a gain instead of a loss to the pupils of the principal's class. It is only by means of faithful supervision on the part of principals that bad work can be discovered before examination time comes, and adequate measures be adopted to rescue a class from failure. Teachers under the guidance of the mature judgment of their principal learn not only to teach better, but to teach all the subjects of their grade so as to have their work at the end of the year thoroughly prepared as the foundation upon which may be securely based the work of the next grade. "As the teacher so is the school," and in many cases it may be said with equal truth, as the principal so are the teachers. At the last meeting of the eighth grade teachers, nearly all of whom are grammar school principals, the subject of supervision was fully discussed, much interest was apparently felt in the matter, and a disposition evinced to do everything that can be done to make improvement in this direction, and it may be expected as we come to a better understanding and appreciation of the importance of this subject that beneficial results will follow. Reading, mental arithmetic and language, and the proper methods to be used in teaching them, require especial attention on the part of principals in their supervisory visits, as it is not possible to examine these subjects as thoroughly as should be done, in

June, when the examinations for promotion are held, on account of the length of time that would be required.

PRIMARY AND GRAMMAR SCHOOLS.

The course of study pursued in the primary and grammar schools requires theoretically eight years for its accomplishment, and in the primary schools and in the lower grades of the grammar schools the main work of the system lies, as the pupils of the primary schools, and of the fourth, fifth and sixth grades of the grammar schools, constitute over ninety per cent. of the total enrollment of the schools of the city, and in them most of the children attending the schools receive their entire education. The course of the High Schools being four years, and that of the College five, the entire course of the schools requires about thirteen years for its completion. The average pupil entering the primary school at six finishes the course of the primary and grammar schools at fourteen, and the high school course at about eighteen or nineteen years of age.

The following table shows the number of pupils in each of the years of the high schools and in each of the grades of primary and grammar schools:

Number of pupils in the different years of the High Schools and grades of the Grammar and Primary Schools, during the years 1888 and 1887 compared:

High Schools.	1888.	1887.		
5th year	29	19	10*	
4th "	173	164	9*	
3d "	104	376	272†	
2d "	336	36	300*	
1st "	808	676	132*	
Prep. Class M. T. S.	165	114	51*	230*
	1,615	1,385		
Grammar Schools.				
8th grade	927	904	23*	
7th "	1,553	1,708	155†	
6th "	2,739	2,646	93*	
5th "	3,627	3,473	154*	
4th "	4,705	4,955	250†	135†
	13,551	13,686		
Primary Schools.				
3d grade	5,791	5,888	97†	
2d "	7,617	7,451	166*	
1st "	13,392	12,789	603*	672*
	26,800	26,128		
	41,966	41,199	767*	

* Denotes increase.
† " decrease.

By a careful examination of this table, it will be seen that only about one-sixth of the total number of pupils in the schools pass beyond the fifth grammar grade. The greater part of the pupils are compelled by their necessities to leave school before reaching the sixth grade, to earn a livelihood. After leaving, the majority of these children, boys and girls, are employed as laborers in the various industrial establishments of

the city. It must be admitted, that forced to shorten their school life to become bread-winners, many of them leave school without having acquired a sufficient knowledge of the fundamental branches of a common school education. The primary schools and the lower grades of the grammar schools, therefore, in which these pupils, constituting over ninety per cent. of all the pupils attending the schools are instructed, should be rendered as thorough and as efficient as possible, that they may be able to do the most that can be done for this large class of children during the short time they are able to attend school. Our rules allow one teacher to forty pupils in average attendance, which makes the number of enrolled pupils to a teacher from fifty to sixty, but if there is any overcrowding in a school, it is almost invariably in the lower grades, and despite all efforts to prevent it, the actual number to a teacher is frequently seventy or over.

It is wonderful that the teachers of the lower grammar and primary grades have been able to accomplish as much as they have, when we consider the great disadvantages under which they work with such large classes crowded into small rooms. For these schools there should be supplied a thoroughly competent teacher for every fifty enrolled pupils, and a suitable class-room, supplied with everything necessary for their instruction. This would necessitate increased expense, but the beneficial effects resulting from such a change, would be incalculable in ameliorating the condition of the primary and lower grammar grades,

in which the great majority of pupils who attend the schools are educated. The good resulting to the system would very greatly counterbalance the increased expenditure of money.

This class of children should receive the most of our care and attention—they have a right to, at least, a proportionate share of the public fund used for the maintenance of the public schools. Every convenience should be furnished for their instruction, and every means be made use of to induce them to enter the schools, so that all the children of this class in the city might be induced to avail themselves of the enlightening and humanizing influence of the schools.

It is idle to talk about spending money to establish kindergartens while these children are so inadequately provided for.

A TRAINING SCHOOL FOR TEACHERS.

It is highly important in the management of school work on a large scale, that all the forces should be most carefully conserved and correlated so that energy instead of being wasted may be utilized in securing strength and thoroughness. It is a great waste of energy to put untrained persons into positions demanding the best service of skilled workmen.

Joseph Payne in his lectures on Education, says:

A teacher is one who, having carefully studied the nature of the mind, and learned by reading and practice some of the means by which that nature may be influenced, applies the resources of his art to the child-

nature before him. Knowing that in this nature there are forces, moral and intellectual, on the development of which the child's well-being depends, he draws them forth by repeated acts, exercises them in order to strengthen them, trains them into faculty, and continually aims at making all that he does, all that he puts his pupil to do, minister to the consciousness of growth and power in the child's nature. If this is a correct description of the teacher's function, it is obvious that it applies to every department of the teacher's work; as much to the teaching of reading and arithmetic as to that of Greek plays or the differential calculus. The function does not change with the subject. The beginning of the process of education is even more important in some respects than the later stages. The early development of a child's mind is a work that can only be effectually performed by an accomplished teacher. In some of the best German elementary schools men of literary distinction, Doctors in Philosophy, are employed in teaching children how to read, and in the highly organized Jesuit Schools, it was a regulation that only those teachers who had been especially successsful in teaching the higher classes should be entrusted with the care of the lowest. Only those who are trained in the art of teaching can safely be entrusted with the education of a child's earliest efforts in the career of instruction.

Teaching is a profession and it is in the highest interests of the schools that it should be regarded so, and that no one be allowed to practice who does not hold a diploma. It is estimated that we employ annually about sixty new teachers, who are pronounced competent so far as the subjects to be taught are concerned, but who, in most cases, have seldom any knowledge of methods of instruction, of the science of education, or of the practice of teaching. Now it is plain to any one that this should be remedied, and that we should provide a Training School for the education of teachers in the science and practice of teaching. This has been recommended to the Board on former occasions, but it is done again as it is a matter of too great importance to be lost sight of. Besides providing a plan for securing teachers skilled

in the science and art of teaching, a Training School could be organized, without in the least impairing its efficiency, so as to provide a much more desirable method of appointing teachers than the one followed at present. Let the course of study be arranged for two years, and the students to be appointed annually in the month of September as follows: let half the number be selected by the members of the Board from the graduates of the High Schools, or College, who have received a graduating average of scholarship of 85; and let the other half be selected in the same manner, at the option of the member who appoints, either from the graduates of the High Schools or College, who have received a graduating average of scholarship of 85, or from others of equal qualifications. It should be understood that this school is organized not only for the purpose of qualifying suitable persons to teach, but that one of its most serviceable functions is to exclude those, who while possessing the requisite scholastic qualifications have no aptitude for the work of teaching. It should also be guaranteed to the students that after graduation they only shall be entitled to fill vacancies as they occur in the schools, and that until they receive appointments as regular teachers, they shall constitute the corps of substitute teachers. At this time there are over five hundred names on the list of persons eligible to teach, and as our Commissioners are generally men of business it may be seen to what annoyance and inconvenience they are continually subjected by the large number of —in many instances—importunate place hunters. They

insist too that influence, not merit, secures places, and in consequence not only they themselves, but their relatives and friends are enlisted to urge their appointment.

The plan of appointment proposed would relieve the Commissioners of this annoyance, and at the same time secure teachers in a way that would be open to none but persons of excellent ability and qualifications. Baltimore city expends annually a large sum of money to give opportunity to those possessing the requisite natural ability to fully prepare themselves, from a literary point of view, for the work of teaching, and in selecting those whom it is proposed to educate further in the science and art of their proposed profession, is any other plan fair, either to applicants or to the city's interests, but the one which selects the very best of those who are applicants? This plan, if properly carried out, means that when fifty children who enter the schools need a teacher, they will be put in charge of one who is well instructed in the branches of study pursued in our schools, who has been well instructed in the science and art of education, and who in a school of practice has given evidence that she has aptitude for school work, and has acquired skill in the management and instruction of children.

There is room for the accommodation of the school in either of the centrally located buildings on the corner of Greene and Fayette streets, and the primary and grammar school classes in those buildings would af-

ford ample opportunity for observation and practice. One principal lady teacher and an assistant would be sufficient to take charge of the school at first, whose salaries, together with the cost of books and of fitting up the rooms, would constitute the extra expense, which altogether would not exceed $3,000. Its beneficial influence would not be confined to the schools in which its graduates taught, for its methods would be communicated to other teachers and would be gradually diffused through the system.

It is earnestly hoped that a school of this kind may be speedily organized upon the most economical and serviceable basis. The cost of establishing and maintaining it will be amply justified by the increased efficiency secured by providing this method of selecting as teachers only those who are well qualified in all respects for the work of instruction. A plan that will secure better teachers ought to meet with the approval and hearty support of every one who is interested in the cause of popular education.

THE READING CIRCLE FOR TEACHERS.

A good school system must not only provide the means of properly educating those who are to teach, but it must also devise measures for the improvement of those who are already teaching in the schools,—for those who have never had the advantages of professional training, and for those also, who are deficient in literary qualifications. The Maryland Teachers' Association at its last meeting organized the Teachers' Reading Circle of

Maryland, and according to the plan of organization Mr. McCahan and myself are *ex-officio* managers of the circles in the city of Baltimore. At the Association of the city teachers, and at various grade meetings, we have explained to the teachers the object and plan of the Reading Circle, and urged them to become members. It is but justice to some of those who have joined to state that they have zealously come forward and enlisted in this work not so much on their own account as for the purpose of inducing their weaker brethren to embark in an undertaking that will not only contribute largely to their happiness and usefulness, but which will at the same time materially benefit the public schools of the city by increasing the efficiency of their teachers.

The following circular was prepared for distribution among the teachers:

The Teachers' Reading Circle of Maryland, of which the Reading Circle of Baltimore City is a branch, has been organized for the purpose of enabling teachers to pursue a course of professional and academic study under the guidance of competent advice and direction, and it is earnestly hoped that all teachers will avail themselves of the opportunity it affords them of becoming better prepared to perform their duties as teachers. When we consider the great amount of good such an organization is capable of effecting, we feel assured that every teacher who desires to promote his own usefulness, the dignity of his profession, and the good of

the schools will most cheerfully avail himself of its advantages.

The directors of the State Reading Circle will prescribe and outline, if necessary, a course of reading, arrange examinations, and attend to all the literary and business interests of the Circle.

The books selected for the first year's course are Swett's Methods of Teaching, Mackenzie's Nineteenth Century and Allen's Mind Studies, which may be purchased at the book store of Messrs. Cushings & Bailey. Their cost, $1.43, and the membership fee of twenty-five cents, constitute the total expense for the first year. The Reading Circle may be organized in the following manner :

1. Let those who are willing to become members group themselves into classes of about twenty, according to their circumstances or preferences, and let each class select from its members some one as a leader, let the leader collect the membership fee of twenty-five cents and procure a membership receipt for each member, which will entitle the holder to all the benefits of the Circle.

2. Let each class name an evening on which to meet, weekly or semi-monthly, as the majority of members may prefer. Announce the time and place of meeting and the reading to be prepared for the next meeting, and the class is ready for work. It is suggested that at each meeting the leader should call the roll, and as-

certain what progress each member has made in study since the last meeting. After this has been done, the topics studied should be discussed by the members, and the work to be prepared for the next meeting determined. After each book in the course has been mastered a topic should be assigned each member for an essay. Members should recognize the importance of faithful endeavor on their part to master the work set for each meeting, and that mental growth can only be produced by arousing and exercising their own powers, so as to acquire a knowledge of the work pursued, and that the benefit each member receives will be in exact proportion to the amount of effort made in study and thought.

DRAWING.

Since some of the schools were supplied with the models necessary to enable the teachers to carry out the plan of work laid out by the system of drawing taught in the schools, a greater amount of time has been devoted to model drawing than formerly.

In the first grade pupils are taught, by means of models and objects in the room, the names and positions of lines and the simplest geometric forms. Easy patterns and objects based on these forms are then given. In the second grade simple objects are drawn, principally in straight lines. In the third grade compound curves are taught, and the work begun in the previous grades continued. In the fourth grade the work of the third grade is continued. Working drawings are introduced in the fifth grade under the

head of "Construction"—first the facts are drawn, showing the construction of the model, and then its appearance. In the sixth grade further instruction is given in the subjects taught in the fifth grade. Free-hand model drawing is taught in the seventh grade, with advanced features in construction. In the eighth grade models are drawn singly and in groups. Natural leaves are drawn and instruction given in elementary geometrical drawing.

From the fifth grade to the eighth, inclusive, some instruction is given in design, and occasional written dictation lessons to impress upon pupils the correct use of terms.

The authors of this system say: That the books and accompanying manuals for teachers, present a course of instruction in form—study and drawing, which requires from the outset and to the end both study and drawing from models of type forms, from objects, and natural forms, thus connecting the work throughout the course closely with the surroundings of the pupils. Through the progressive exercises the pupils learn to observe objects, to make objects, to represent the facts and appearance of objects by drawing; also to study examples of ornament, and to design and draw arrangements for the decoration of objects and surfaces. These books lay a broad foundation in the elements of three subjects in which drawing is the language—construction, representation, decoration. The "making" of models and objects is a special feature in this course,

and it is provided for in the regular exercises in the books. This work introduces elementary manual training into the schools.

SEWING.

In my last report it was recommended that provision be made for giving instruction in sewing one hour a week to the girls of the fourth grade in the female department of the grammar schools. The same arguments that are used to show the necessity for giving boys attending our schools instruction in manual training apply as well for the introduction of sewing into the schools attended by the girls. Many persons are under the impression that as the time taken for such instruction would otherwise be given to the literary work, in consequence, the proficiency of the pupils in their literary work would be lessened, but it is held by those whose experience enables them to judge of the effect of manual training upon the other work pursued in the schools, that such is not the case. The increased expense occasioned by its introduction would be the amount necessary to pay the salaries of the requisite number of special teachers, and about $200 for providing the few incidentals required. The Board at one time made application to the Council upon the unanimous report of a committee appointed to investigate the subject, to be empowered to employ five special teachers to give the girls of the fourth grade instruction in needle work. It is earnestly hoped that the present Council will give the matter its favorable consideration.

EIGHTH GRAMMAR GRADE.

The number of pupils pursuing the studies of the eighth grammar grade is twenty three greater than it was at this time last year. In the forty-five schools, not including those in the annexed district, in which this grade is taught, there are only nine hundred and twenty-seven pupils belonging to the eighth grade, an average of about twenty to a school. This grade is instructed by the best teacher in the school—the principal—and in many instances numbers very few scholars as compared with the other classes of the school. These classes in over half the schools number less than twenty pupils, some of them consist of five, seven, eight, ten or eleven pupils. As the room occupied by this small class is frequently the largest and best in the building, there are of course many seats left unoccupied, and it is desirable to adopt a plan that will not only utilize this unoccupied space, but that will also give the principal a larger class to instruct. For pupils of this age it is not necessary that the school they attend should be at their doors ; they are large enough to walk longer distances than the younger pupils. It would be well to transfer the eighth grade pupils of the schools in which it is very small to the nearest grammar school having room for its accommodation, and an eighth grade, which after the admission of these transferred pupils, will not be too large for one teacher.

THE PUBLIC SCHOOL LIBRARY.

The librarian has arranged and catalogued the contents of the library, so that the teachers may conveniently avail themselves of the books on its shelves. Its increase has been mainly in the department of works on education and biography. The reading room has been neatly fitted up, and the tables supplied with educational journals and some of the magazines. This library, though small, contains quite a number of excellent books on subjects suitable for teachers, and many teachers avail themselves of the opportunity it affords them for self-culture.

The primary schools have made satisfactory progress during the year under the immediate supervision of the Assistant Superintendent, Mr. John E. McCahan, whose report herewith submitted, gives an account of their condition and needs, and I desire to invite your favorable consideration to his recommendations, to establish a training school for teachers, to give the assistants in the primary schools the same compensasation that is given to those in the grammar schools, and to provide the pupils of these schools with increased facilities for instruction.

It affords me pleasure to state that, the teachers have been faithful in the performance of their trying duties, many of them have made commendable efforts to improve themselves, so as to be able to do their work

more effectually, and my thanks are especially due them for the generous manner in which they have assisted me in the discharge of my duties.

I desire to express my thanks to you, gentlemen, and the officers of the Board for courtesy and assistance extended to me on all occasions.

Respectfully submitted,

HENRY A. WISE,

Superintendent.

TABLES

Accompanying the Superintendent's Report.

TABLE A.

Statement showing the number of male and female teachers, and the number of pupils on roll December 31st, 1888; the average number of pupils on roll during the year; the average attendance for the year; the percentage of attendance for the year; and the number of pupils in school during the year.

Schools.	Teachers		Number of Pupils.					
	Males.	Females.	On roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Baltimore City College..	14	....	385	373	336	90	564	374
E. F. High School.....	1	10	286	286	262	92	423	305
W. F. High School.....	2	12	408	391	363	92.8	624	417
Totals.....	17	22	1079	1050	961	91.5	1611	1096
Manual Training School.	13	....	510	383	348	90.8	612	500
Male Grammar No. 1...	2	5	278	271	254	94	434	332
" " " 2...	2	7	368	360	320	88.8	515	407
" " " 3...	2	3	159	148	130	88	249	184
" " " 4...	2	4	235	230	211	92	366	286
" " " 5...	1	5	211	212	183	86	329	266
" " " 6...	2	8	420	405	357	88.8	604	480
" " " 7...	2	4	255	246	229	93	352	277
" " " 8...	2	7	394	374	321	86	572	448
" G. & P. " 9...	1	4	146	145	116	80	263	249
" Grammar " 10...	2	5	252	251	228	91	391	317
" " " 11...	2	5	244	256	230	91.5	378	300
" " " 12...	2	5	264	257	236	92	370	288
" " " 13...	1	4	165	157	137	87.3	222	168
" " " 15...	2	11	533	529	477	90	806	613
" " " 17...	2	4	230	232	207	90	346	276
" " " 18...	2	3	141	156	128	82	229	186
" " " 19...	1	6	282	269	235	87.3	404	347
" " " 20...	2	7	370	353	310	88	529	423
" " " 21...	2	6	316	300	266	84	479	377
Totals.....	34	102	5,263	5,151	4,575	89.6	7,838	6,224

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On Roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Female Grammar No. 1..	....	10	403	410	342	83	607	512
" " " 2..	....	8	309	291	282	92	449	345
" " " 3..	....	5	139	138	109	79	217	167
" " " 4..	....	6	208	211	182	86	323	266
" " " 5..	....	5	207	200	161	80	286	215
" " " 6..	....	11	452	447	380	86	656	549
" " " 7..	....	7	270	253	227	90	402	303
" " " 8..	....	9	396	373	316	85	594	436
" G. and P. " 9..	....	5	163	169	129	77	275	269
" Grammar " 10..	....	7	303	287	254	89	436	326
" " " 11..	....	7	292	275	236	86	408	299
" " " 12..	....	6	259	230	184	80	360	238
" " " 13..	....	6	227	229	192	84	313	257
" " " 15..	....	13	590	568	506	89	830	643
" " " 16..	....	9	439	420	333	80	660	640
" " " 17..	....	7	270	253	230	91	368	286
" " " 18..	....	5	161	169	139	82	271	224
" " " 19..	....	6	260	244	206	85	369	288
" " " 20..	....	10	445	417	383	92	598	476
" " " 21..	....	12	511	475	406	85	712	575
Totals.....	....	154	6,304	6,059	5,197	85.8	9,134	7,314
English-German No. 1..	3	12	616	600	527	88	910	875
" " 2..	4	21	1,033	1,006	924	92	1,357	1,294
" " 3..	3	26	1,295	1,191	1,102	92.5	1,579	1,528
" " 4..	4	22	1,127	1,100	963	88	1,542	1,465
" " 5..	3	16	755	803	722	90	1,025	990
Totals.....	17	97	4,826	4,700	4,238	90	6,413	6,152

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Male Primary No. 1....	....	9	376	364	317	87	542	500
" " " 2....	....	5	186	176	155	88	294	285
" " " 3	....	6	269	273	222	82	469	448
" " " 4....	....	6	229	233	206	88	371	348
" " " 5....	....	9	409	393	317	78	623	574
" " " 6	....	8	410	377	332	89	570	557
" " " 7....	....	5	168	177	140	80	268	252
" " " 8....	....	4	185	163	130	80	258	248
" " " 10....	....	6	246	232	193	83	368	356
" " " 11....	...	11	467	423	358	85	648	594
" " " 12....	....	8	354	334	297	84	508	489
" " " 13....	....	4	144	151	127	85	217	197
" " " 14....	....	7	288	280	230	83	434	401
" " " 15....	....	10	408	419	344	82	631	609
" " " 16....	....	7	294	311	245	79	498	482
" " " 17....	....	8	350	319	261	81	492	478
" " " 18....	....	6	249	237	209	88	383	346
" " " 19....	....	6	256	223	186	84	379	377
" " " 20....	....	16	713	608	517	85	967	900
" " " 21....	....	7	323	314	257	82	449	427
" " " 22...	....	8	358	334	278	83	516	489
" " " 23....	...	8	363	353	300	85	528	509
" " " 24....	....	7	284	266	232	87	402	388
" " " 25....	...	5	232	216	187	84	327	314
" " " 26....	....	5	185	180	151	84	263	250
" " " 27....	....	7	338	329	276	83	484	456
" " " 28...	....	9	405	334	306	92	614	575
" " " 29....	....	4	145	144	122	85	243	224
" " " 30....	....	11	511	499	396	79	794	728
" " " 31....	...	5	215	218	176	80	326	303
Totals.....	....	217	9,360	8,880	7,467	84	13,866	13,104

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Female Primary No. 1..	....	10	457	436	341	78	683	627
" " 2..	....	5	190	188	163	87	271	265
" " 3..	....	6	241	236	188	79	355	337
" " 4..	....	6	241	239	189	79	376	347
" " 5..	....	8	388	371	289	78	632	602
" " 6..	...	8	428	387	339	80	591	576
" " 7..	....	4	167	154	126	76	227	218
" " 8..	....	5	196	190	148	78	315	306
" " 10..	....	6	224	223	190	85	361	341
" " 11..	....	10	442	434	338	80	661	481
" " 12..	....	8	345	338	282	84	514	495
" " 13..	....	4	149	143	115	81	214	202
" " 14..	....	6	254	237	189	80	389	377
" " 15..	...	10	436	421	347	82	688	654
" " 16..	....	6	269	279	205	73	460	453
" " 17..	....	8	382	366	280	77	584	564
" " 18..	....	5	225	226	172	76	329	288
" " 19..	....	5	204	210	175	83	346	339
" " 20..	....	14	655	594	458	78	948	896
" " 21..	....	6	260	262	209	80	433	416
" " 22..	....	7	295	286	240	83	445	424
" " 23..	....	8	343	336	283	84	511	494
" " 24..	....	5	232	224	192	86	335	325
" " 25..	....	5	245	240	188	78	355	340
" " 26..	....	5	197	197	160	82	281	273
" " 27..	....	8	357	353	302	86	542	510
" " 28..	....	8	362	337	295	88	497	481
" " 29..	....	4	152	158	135	86	247	245
" " 30..	....	11	533	489	377	77	806	751
" " 31..	....	5	225	206	162	79	312	293
Totals.....	....	206	9,094	8,760	7,077	81	13,708	12,931

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A.—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll, Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollment.
High and Grammar Col'd.	2	14	643	559	506	90	962	698
Male Colored No. 1.....	1	3	178	143	114	80	274	271
" " " 2.....	1	6	304	297	225	76	422	417
" " " 3.....	2	7	378	364	308	85	526	519
" " " 4.....	2	7	394	359	303	85	528	523
" " " 5.....	1	6	287	270	249	89	388	388
" " " 6.....	2	3	234	216	165	76	418	418
" " " 7.....	2	10	438	400	338	85	708	701
" " " 8.....	1	4	228	204	150	74	352	345
Female " " 1.....	....	7	317	255	186	72	376	374
" " " 2.....	....	7	307	286	239	83	420	416
" " " 3.....	....	10	428	406	333	77	598	596
" " " 4.....	....	8	338	373	277	75	518	511
" " " 6.....	....	5	231	205	158	77	340	339
" " " 7.....	....	15	612	571	449	79	923	915
" " " 8.....	....	6	213	227	175	78	371	368
Totals,	14	118	5,530	5,135	4,175	81	8,124	7,799

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A.—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Annex No. 1	1	4	229	228	195	86	254	252
" " 2	1	13	606	614	543	88	663	658
" " 3	1	12	601	575	471	82	652	621
" " 4	....	8	356	347	303	87	385	373
" " 5	1	5	213	222	188	85	251	248
" " 6	1	6	313	316	279	87	347	342
" " 7	1	7	358	347	292	84	385	382
" " 8	1	6	305	307	253	82	353	345
" " 9	1	4	240	239	205	85	266	261
" " 10	1	5	236	250	223	89	283	277
" " 11	1	5	239	241	195	81	271	264
" " 12	3	7	441	440	398	90	457	410
" " 13	....	5	195	167	154	92	195	91
" Colored No. 1	1	2	140	129	96	75	169	169
" " " 2	....	1	27	26	19	73	29	29
" " " 3	1	....	56	51	40	78	64	64
Totals	15	90	4,555	4,499	3,854	85	5,024	4,786

TABLE A—Concluded.

RECAPITULATION.

SCHOOLS.	Number of Schools.	No. of Teachers.				Number of Pupils.					
		Males, Dec. 31, 1888.	Females, Dec. 31, 1888.	Totals, Dec. 31, 1888.	Average for the year.	On roll Dec. 31, 1888.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments
Baltimore City College	1	14	....	14	14	385	373	336	90	564	374
Eastern Female High School	1	1	10	11	11	286	286	262	92	423	305
Western Female High School	1	2	12	14	14	408	391	363	92	624	417
Manual Training School	1	13	....	13	10	510	383	348	90	612	500
Male Grammar Schools	19	34	102	136	138	5,263	5,151	4,575	89	7,838	6,224
Female Grammar Schools	20	....	154	154	153	6,304	6,059	5,197	85	9,134	7,314
English German Schools	5	17	97	114	112	4,826	4,700	4,238	90	6,413	6,153
Male Primary Schools	30	....	217	217	212	9,360	8,880	7,467	84	13,866	13,104
Female Primary Schools	30	....	206	206	204	9,094	8,760	7,077	81	13,708	12,931
Colored Schools	16	14	118	132	123	5,530	5,135	4,175	81	8,124	7,799
	124	95	916	1011	991	41,966	40,118	34,038	85	61,306	55,120
Annex Schools	16	15	90	105	99	4,555	4,499	3,854	85	5,024	4,786
Special Teachers { Music	....	2	....	2	....	.....	.....	.....	....	.....	.....
Special Teachers { Drawing	....	....	5	5	....	.....	.....	.....	....	.....	.....
Totals	140	112	1011	1123	1090	46,521	44,617	37,892	85	66,330	59,906

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE B.

DIFFERENT GRADES OF SCHOOLS COMPARED.

Number of Pupils in High Schools,	1888.....	1,079	
" " " " " "	1887.....	1,098	
Decrease.....			19
Number of Pupils in Manual Training School,	1888.....	510	
" " " " " " "	1887.....	273	
Increase.....			237
Number of Pupils in Grammar Schools,	1888.....	11,567	
" " " " " "	1887.....	11,700	
Decrease.....			133
Number of Pupils in English-German Schools,	1888.....	4,826	
" " " " " "	1887.....	4,783	
Increase.....			43
Number of Pupils in Primary Schools,	1888.....	18,454	
" " " " " "	1887.....	17,960	
Increase.....			494
Number of Pupils in Colored Schools,	1888.....	5,530	
" " " " " "	1887.....	5,385	
Increase.....			145
Increase in Schools in former city limits.....			767
Number of Pupils in Annex Schools,	1888.....	4,555	

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on roll at the time of making the report each year, from the year 1829, when the first Public School was opened, to the year 1888, inclusive.

This Statement does not include Evening Schools, Normal Classes, nor Floating Schools.

Date.	Teachers.	Pupils.	Date.	Teachers.	Pupils.
1829	3	269	1859	267	11,750
1830	5	402	1860	284	13,186
1831	5	627	1861	295	13,424
1832	5	640	1862	311	13,888
1833	5	544	1863	333	14,847
1834	8	859	1864	343	15,319
1835	8	747	1865	366	15,957
1836	8	814	1866	402	17,550
1837	8	659	1867	490	22,073
1838	8	675	1868	537	21,903
1839	16	1,126	1869	540	23,552
1840	22	1,834	1870	549	23,898
1841	27	2,331	1871	559	24,479
1842	28	2,464	1872	581	25,092
1843	30	2,669	1873	588	26,663
1844	38	3,366	1874	626	27,634
1845	52	4,313	1875	672	29,942
1846	65	5,087	1876	717	31,071
1847	90	6,439	1877	734	32,523
1848	100	6,696	1878	784	34,002
1849	110	6,763	1879	798	35,595
1850	119	7,093	1880	799	35,297
1851	138	8,011	1881	824	35,630
1852	175	9,081	1882	826	35,639
1853	186	9,447	1883	855	37,546
1854	207	9,717	1884	893	38,618
1855	217	10,588	1885	930	39,828
1856	238	11,441	1886	972	39,779
1857	245	11,269	1887	994	41,199
1858	256	11,587	1888	1119	*46,521

* Including annex schools.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D.

Statement showing the ages of the pupils on roll in the several schools.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Balto. City College	....	....	....	....	....	....	....	....	28	95	127	79	33	18	5	.....	385
East. Fem. High...	....	....	....	....	....	....	....	....	6	45	82	80	54	19	.....	.....	286
West. Fem. High..	....	....	....	....	....	....	....	....	10	75	106	139	57	21	.....	.....	408
Totals....	....	....	....	....	....	....	....	....	44	215	315	298	144	58	5	....	1,079
Manual Training..	....	....	....	....	....	.....	3	13	37	123	142	112	57	18	3	2	510
Male Gram. No. 1	....	....	....	....	9	31	33	61	72	50	19	3	.....	.....	.....	.....	278
" " " 2	....	....	....	2	19	43	69	90	77	52	14	2	.....	.....	.....	.....	368
" " " 3	....	....	....	....	10	23	39	36	26	14	7	1	3	.....	.....	.....	159
" " " 4	....	....	....	...	7	25	44	54	54	29	15	6	1	.....	.....	.....	235
" " " 5	....	....	....	3	15	23	35	40	47	24	21	3	.....	.....	.....	.....	211
" " " 6	....	....	....	....	13	64	68	84	79	67	31	11	3	.....	.....	.....	420
" " " 7	....	....	....	....	16	24	48	62	58	35	11	1	.....	.....	.....	.....	255
" " " 8	....	....	....	2	15	41	68	86	94	57	25	5	1	.....	.....	.....	394
" G & P. " 9	6	8	13	15	19	26	16	13	13	11	4	2	.....	.....	.....	.....	146
" Gram. " 10	....	....	1	....	7	23	45	68	52	47	8	1	.....	.....	.....	.....	252
" " " 11	....	....	....	1	12	28	66	58	49	19	9	2	.....	.....	.....	.....	244
" " " 12	....	....	....	2	8	40	48	79	52	28	6	1	.....	.....	.....	.....	264
" " " 13	....	....	....	....	5	20	41	33	34	18	9	2	2	1	.....	.....	165
" " " 15	....	....	....	2	18	73	99	110	116	80	31	3	.....	.....	1	.....	533
" " " 17	....	....	....	3	11	18	44	54	47	41	11	1	.....	.....	.....	.....	230
" " " 18	....	....	...	2	5	18	27	35	22	22	8	1	1	.....	.....	.....	141
" " " 19	....	....	....	....	4	17	35	60	66	61	25	12	2	.....	.....	.....	282
" " " 20	....	....	....	1	10	43	87	74	96	42	9	8	.....	.....	.....	.....	370
" " " 21	....	....	....	1	16	31	77	63	65	40	13	8	2	.....	.....	.....	316
Totals....	6	8	14	34	219	611	989	1,160	1,119	737	276	73	15	1	1	.....	5,263

TABLE D.—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Fem. Gram. No. 1.	....	....	....	2	10	46	64	85	86	70	33	7	....	....	....	....	403
" " " 2.	....	....	....	....	20	50	66	73	59	32	7	2	....	....	....	....	309
" " " 3.	....	....	....	1	5	19	23	38	25	16	6	5	1	....	....	....	139
" " " 4.	....	....	....	....	8	30	40	54	37	26	10	3	....	....	....	....	208
" " " 5.	....	....	....	3	19	13	49	54	29	25	10	3	2	....	....	....	207
" " " 6.	....	....	....	3	10	38	81	89	83	86	37	21	4	....	....	....	452
" " " 7.	....	....	....	1	19	49	79	49	48	14	9	2	....	....	....	....	270
" " " 8.	....	....	..	1	20	46	76	91	71	67	23	1	....	....	....	....	396
" G & P. " 9.	....	14	27	17	13	20	17	20	20	8	5	2	....	....	....	....	163
" Gram. " 10.	....	....	....	....	14	46	64	72	64	34	9	....	....	....	....	....	303
" " " 11.	....	....	....	1	9	53	49	86	47	32	14	1	....	....	....	....	292
" " " 12.	....	....	....	1	10	43	54	65	47	34	3	1	1	....	....	....	259
" " " 13.	....	....	....	....	14	36	47	45	41	23	15	5	1	....	....	....	227
" " " 15.	....	....	....	2	24	66	125	107	117	89	39	18	2	1	....	....	590
" " " 16.	31	77	54	59	56	54	38	36	23	9	2	....	....	....	....	....	439
" " " 17.	....	....	....	1	11	47	47	63	52	35	13	1	....	....	....	....	270
" " " 18.	....	....	....	2	5	15	25	25	48	20	17	2	1	1	....	....	161
" " " 19.	....	....	....	....	5	19	44	59	58	45	23	6	1	....	....	....	260
" " " 20.	....	....	....	3	6	61	77	97	99	67	23	11	1	....	....	....	445
" " " 21.	....	.. .	....	2	15	50	75	107	112	95	39	13	3	....	....	....	511
Totals.....	31	91	81	99	293	801	1140	1315	1166	827	337	104	17	2	....	....	6,304
Eng.-Ger. No. 1...	....	54	75	72	82	87	81	72	55	31	7	....	....	....	....	....	616
" " 2...	7	175	170	134	112	147	129	93	48	11	6	1	....	....	....	....	1,033
" " 3...	13	92	190	175	182	190	146	165	84	39	16	3	....	....	....	....	1,295
" " 4...	30	111	137	166	142	162	157	123	70	24	4	1	....	....	....	....	1,127
" " 5...	3	59	92	81	87	120	120	112	52	21	7	....	1	....	....	....	755
Totals.....	53	491	664	628	605	706	633	565	309	126	40	5	1	....	....	....	4,826

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Male Prim. No. 1.	3	61	98	71	55	48	23	14	3	.....	.....	.....	.....	.....	.....	.....	376
" " 2.	23	18	23	33	25	22	15	14	7	4	2	.....	.....	.....	.....	.....	186
" " 3.	1	18	28	42	61	52	29	24	9	4	1	.....	.....	.....	.....	.....	269
" " 4.	6	40	41	45	45	26	12	5	4	4	1	.....	.....	.....	.....	.....	229
" " 5.	17	73	61	61	72	50	43	22	8	2	.....	.....	.....	.....	.....	.....	409
" " 6.	3	69	110	69	67	53	18	19	2	.....	.....	.....	.....	.....	.....	.....	410
" " 7.	...	40	22	42	27	16	11	9	1	.....	.....	.....	.....	.....	.....	.....	168
" " 8.	7	46	38	25	30	18	11	7	3	.....	.....	.....	.....	.....	.....	.....	185
" " 10.	12	36	40	49	44	26	20	14	2	3	.....	.....	.....	.....	.....	.....	246
" " 11.	5	115	57	59	89	71	41	17	9	4	.....	.....	.....	.....	.....	.....	467
" " 12.	6	64	60	63	60	56	23	13	7	2	.....	.....	.....	.....	.....	.....	354
" " 13.	5	40	38	30	15	8	5	2	1	.....	.....	.....	.....	.....	.....	.....	144
" " 14.	13	32	53	70	45	39	12	16	5	3	.....	.....	.....	.....	.....	.....	288
" " 15.	7	43	77	93	75	50	38	15	9	1	.....	.....	.....	.....	.....	.....	408
" " 16.	5	56	60	59	49	34	13	7	7	3	1	.....	.....	.....	.....	.....	294
" " 17.	13	47	63	59	55	55	31	21	4	.....	2	.....	.....	.....	.....	.....	350
" " 18.	1	26	68	39	38	41	21	9	4	1	.....	1	.....	.....	.....	.....	249
" " 19.	7	23	44	48	54	41	19	12	7	1	.....	.....	.....	.....	.....	.....	256
" " 20.	11	84	149	131	135	101	36	37	20	8	1	.....	.....	.....	.....	.....	713
" " 21.	35	61	72	47	40	36	22	6	2	2	.....	.....	.....	.....	.....	.....	323
" " 22.	1	49	68	66	51	50	34	20	14	4	.....	1	.....	.....	.....	.....	358
" " 23.	6	59	54	78	61	52	22	17	9	4	1	.....	.....	.....	.....	.....	363
" " 24.	1	36	52	55	43	39	36	12	9	1	.....	.....	.....	.....	.....	.....	284
" " 25.	23	26	38	30	35	28	22	20	9	1	.....	.....	.....	.....	.....	.....	232
" " 26.	3	36	30	50	45	16	3	2	.....	.....	.....	.....	.....	.....	.....	.....	185
" " 27.	2	61	60	62	60	47	26	12	7	1	.....	.....	.....	.....	.....	.....	338
" " 28.	9	76	87	76	55	50	31	13	5	3	.....	.....	.....	.....	.....	.....	405
" " 29.	2	19	22	36	24	21	10	7	2	1	1	.....	.....	.....	.....	.....	145
" " 30.	3	51	86	103	99	77	50	28	11	3	.....	.....	.....	.....	.....	.....	511
" " 31.	7	35	31	41	25	46	15	5	7	3	.....	.....	.....	.....	.....	.....	215
Totals.....	237	1440	1730	1732	1579	1269	692	419	187	63	10	2	.....	.....	.....	.....	9360

TABLE D.—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Fem. Prim. No. 1	11	48	76	106	83	56	35	28	12	1	1						457
" " 2	2	28	37	26	41	25	19	12									190
" " 3	2	36	39	33	52	39	18	17	4	1							241
" " 4	8	34	42	49	49	33	13	8	5								241
" " 5	19	37	80	84	64	54	33	14	3								388
" " 6	6	96	65	90	69	51	25	15	9	1	1						428
" " 7	10	23	38	34	36	18	7	1									167
" " 8	13	33	43	38	34	22	6	3	3	1							196
" " 10	9	32	42	47	36	30	18	6	1	3							224
" " 11	7	56	79	108	83	68	25	13	2	1							442
" " 12	1	61	59	84	53	44	25	13	5								345
" " 13	5	23	24	29	24	21	16	6	1								149
" " 14	4	26	49	59	51	36	17	10	2								254
" " 15	19	42	66	110	90	58	33	15	7	2							436
" " 16	19	61	39	52	36	29	14	15	3	1							269
" " 17	17	38	63	76	70	62	26	21	8	1							382
" " 18	3	19	44	54	50	30	14	9	2								225
" " 19	9	25	37	42	28	26	20	9	5	2	1						204
" " 20	20	76	104	141	128	89	46	31	16	4							655
" " 21	4	25	48	50	43	45	25	16	2	2							260
" " 22	2	35	47	54	54	47	35	18	1	2							295
" " 23	13	46	66	67	71	42	23	8	6	1							343
" " 24	6	26	33	51	35	49	16	10	6								232
" " 25	31	33	44	43	46	32	16										245
" " 26	4	21	38	48	36	31	13	4	2								197
" " 27	5	57	63	84	53	54	27	8	6								357
" " 28	6	49	66	77	56	44	41	17	5	1							362
" " 29	6	37	27	29	24	11	12	4	1	1							152
" " 30	8	58	88	119	96	82	45	18	19								533
" " 31	22	40	39	49	33	22	11	6	3								225
Totals	291	1221	1579	1933	1624	1250	674	355	139	25	3						9,094

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
H. & Gram. Col'd..	....	....	....	....	....	.....	60	79	113	161	115	81	29	5	.....	....	643
Male Col'd No. 1..	4	3	9	20	33	15	26	30	16	13	5	2	1	1	.....	.....	178
" " 2..	....	19	27	48	43	49	41	31	24	17	5	.....	.....	.....	.....	.....	304
" " 3..	....	22	27	50	62	65	62	49	25	14	1	1	.....	.....	.....	.....	378
" " 4..	....	24	38	43	48	79	62	49	31	16	3	.....	1	.....	.....	.....	394
" " 5..	....	34	38	44	52	29	27	35	16	12	.....	.....	.....	.....	.....	.....	287
" " 6..	....	17	20	32	29	32	25	25	30	13	9	2	.....	.....	.....	.....	234
" " 7..	....	30	50	53	63	61	64	59	31	17	5	3	2	.....	.....	.....	438
" " 8..	3	16	20	32	36	41	25	23	21	5	2	4	.....	.....	.....	.....	228
Fem. Col'd " 1..	1	16	16	37	35	54	49	43	28	21	14	3	.....	.....	.....	.....	317
" " 2..	....	37	66	48	35	50	29	28	11	3	.....	.....	.....	.....	.....	.....	307
" " 3..	1	29	57	54	47	67	65	38	42	21	7	.....	.....	.....	.....	.....	428
" " 4..	....	12	32	59	55	58	39	34	26	14	5	4	.....	.....	.....	.....	338
" " 6..	3	19	29	34	33	33	27	24	19	6	3	1	.....	.....	.....	.....	231
" " 7..	....	31	79	67	89	93	90	74	46	31	8	4	.....	.....	....	.....	612
" " 8..	5	14	27	26	38	38	28	14	10	6	3	3	1	.....	.....	.....	213
Totals... ..	17	323	535	647	698	764	719	635	489	370	185	108	34	6	.....	.....	5530

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Annex No. 1..	6	23	46	37	37	27	17	24	7	3	1	1	....	....	....	....	229
" " 2..	5	47	69	78	74	72	67	65	51	35	29	10	4	....	....	....	606
" " 3..	2	52	78	79	64	80	66	62	65	35	12	5	1	....	....	....	601
" " 4..	15	58	35	42	42	46	41	30	19	18	7	3	....	....	....	....	356
" " 5..	5	21	23	28	31	32	15	12	18	14	9	4	1	....	....	....	213
" " 6..	19	29	42	42	47	46	36	17	17	14	1	3	....	....	....	....	313
" " 7..	9	39	40	41	52	31	51	30	33	18	6	6	1	1	....	....	358
" " 8..	4	25	51	44	38	48	27	34	19	10	4	1	....	....	....	....	305
" " 9..	....	20	20	25	35	32	36	28	27	10	5	2	....	....	....	....	240
" " 10..	2	27	33	36	26	34	24	27	9	13	5	....	....	....	....	....	236
" " 11..	4	33	27	25	32	35	17	28	21	11	4	1	1	....	....	....	239
" " 12..	....	33	61	62	63	59	74	49	29	11	....	....	....	....	....	....	441
" " 13..	16	32	28	34	15	24	19	15	5	6	....	1	....	....	....	....	195
Annex Col. " 1..	....	12	11	24	16	16	16	14	9	8	4	6	2	....	....	2	140
" " 2..	....	2	3	4	2	2	2	2	4	3	2	1	....	....	....	....	27
" " 3..	2	3	5	10	8	7	7	5	3	4	1	1	....	....	....	....	56
Totals..	89	456	572	611	582	591	515	442	336	213	90	45	10	1	....	2	4,555

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Concluded.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
College and High	....	....	....	....	....	.....	.....	....	44	215	315	298	144	58	5	....	1,079
Manual Training	....	....	..	....	....	.....	3	13	37	123	142	112	57	18	3	2	510
Male Grammar....	6	8	14	34	219	611	989	1,160	1,119	737	276	73	15	1	1	.....	5,263
Female Grammar..	31	91	81	99	293	801	1,140	1,315	1,166	827	337	104	17	2	.....	.....	6,304
English-German...	53	491	664	628	605	706	633	565	309	126	40	5	1	.....	.....	.....	4,826
Male Primary.....	237	1440	1730	1732	1579	1,269	692	419	187	63	10	2	.....	.....	.....	.....	9,360
Female Primary...	291	1221	1579	1933	1624	1,250	674	355	139	25	3	.....	.....	.....	.....	.....	9,094
Colored	17	323	535	647	698	764	719	635	489	370	185	108	34	6	.....	.....	5,530
	635	3574	4603	5073	5018	5,401	4,850	4,462	3,490	2,486	1,308	702	268	85	9	2	41,966
Annex	89	456	572	611	582	591	515	442	336	213	90	45	10	1	.....	2	4,555
Totals	724	4030	5175	5684	5600	5,992	5,365	4,904	3,826	2,699	1,398	747	278	86	9	4	46,521

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.

Statement showing the Number of Pupils in each grade.

SCHOOLS. HIGH SCHOOLS AND MANUAL TRAINING COURSE.	Fifth Year.		Fourth Year.		Third Year.		Second Year.		First Year.		Preparatory.	Totals.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Males.	Females.
Baltimore City College	29		33		22		125		176			385	
Eastern Female High School				68		19		66		133			286
Western Female High School				64		27		101		216			408
Manual Training School					36		38		271		165	510	
*High and Gram. Col'd School			2	6			1	5	7	5		10	16
Totals	29		35	138	58	46	164	172	454	354	165	905	710

*See also on page 82.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	Totals.
Male Grammar No. 1.....	14	26	65	74	99	278
" " " 2.....	20	36	80	92	140	368
" " " 3.....	15	8	19	37	80	159
" " " 4.....	11	39	41	76	68	235
" " " 5.....	10	29	42	57	73	211
" " " 6.....	38	67	99	87	129	420
" " " 7.....	8	39	53	70	85	255
" " " 8.....	21	32	88	114	139	394
" " " 10	7	29	51	81	84	252
" " " 11.....	13	26	53	72	80	244
" " " 12.....	14	14	68	71	97	264
" " " 13.....	12	25	43	35	50	165
" " " 15.....	35	72	111	114	201	533
" " " 17.....	16	30	62	55	67	230
" " " 18.....	5	15	26	42	53	141
" " " 19.....	32	36	78	68	68	282
" " " 20.....	20	37	85	109	119	370
" " " 21	20	29	59	90	118	316
Totals..... ...	311	589	1123	1344	1750	5117
Female Grammar No. 1.....	36	62	101	104	100	403
" " " 2.....	20	38	56	82	113	309
" " " 3.....	13	14	38	40	34	139
" " " 4.....	16	25	37	53	77	208
" " " 5.....	18	23	38	58	70	207
" " " 6.....	45	83	109	112	103	452
" " " 7.....	17	27	46	58	122	270
" " " 8	45	36	74	96	145	396
" " " 10.....	16	23	54	85	125	303
" " " 11.....	30	30	56	78	98	292
" " " 12.....	15	22	34	67	121	259
" " " 13.....	29	33	51	48	66	227
" " " 15	56	90	115	141	188	590
" " " 17.....	18	30	51	91	80	270
" " " 18.....	15	21	40	45	40	161
" " " 19.....	30	42	62	60	66	260
" " " 20.....	53	43	96	116	137	445
" " " 21.....	47	80	122	122	140	511
Totals.....	519	722	1180	1456	1825	5702

The reports of No. 9 and No. 16 are included in statement on page 82.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.	PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.
Male No. 1.....	104	110	162	376	Female No. 1...	118	151	188	457
" " 2.....	30	58	98	186	" " 2...	46	44	100	190
" " 3.....	68	77	124	269	" " 3...	71	66	104	241
" " 4.....	55	62	112	229	" " 4...	57	86	98	241
" " 5.....	75	117	217	409	" " 5...	93	94	201	388
" " 6. ...	64	120	226	410	" " 6...	102	91	235	428
" " 7.....	25	48	95	168	" " 7...	58	41	68	167
" " 8.....	48	43	94	185	" " 8...	35	31	130	196
" " 10.....	55	61	130	246	" " 10...	50	64	110	224
" " 11.....	100	134	233	467	" " 11...	107	144	191	442
" " 12	62	135	157	354	" " 12...	65	113	167	345
" " 13.....	23	33	88	144	" " 13...	28	42	79	149
" " 14.....	100	75	113	288	" " 14...	80	77	97	254
" " 15.....	109	124	175	408	" " 15...	135	129	172	436
" " 16.....	57	82	155	294	" " 16...	66	71	132	269
" " 17.....	55	91	204	350	" " 17...	95	108	179	382
" " 18.....	57	88	104	249	" " 18...	65	72	88	225
" " 19.....	63	85	108	256	" " 19...	49	85	70	204
" " 20.....	145	161	407	713	" " 20...	142	161	352	655
" " 21.....	59	89	175	323	" " 21...	43	91	126	260
" " 22.....	60	116	182	358	" " 22...	64	102	129	295
" " 23.....	60	116	187	363	" " 23...	73	85	185	343
" " 24.....	37	87	160	284	" " 24...	49	53	130	232
" " 25.....	44	82	106	232	" " 25...	47	45	153	245
" " 26.....	37	57	91	185	" " 26...	48	63	86	197
" " 27.....	67	87	184	338	" " 27...	79	86	192	357
" " 28.....	75	136	194	405	" " 28...	87	105	170	362
" " 29.....	22	44	79	145	" " 29...	27	32	93	152
" " 30.....	139	138	234	511	" " 30...	133	145	255	533
" " 31.....	35	72	108	215	" " 31...	43	52	130	225
Totals.....	1930	2728	4702	9360	Totals.....	2155	2529	4410	9094

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.—Continued.

SCHOOLS. Having G. & P. Grades.	8th Grade		7th Grade		6th Grade		5th Grade		4th Grade		3d Grade		2d Grade		1st Grade		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Females.
M. G. & P. No. 9..	7	....	1	....	9	....	15	....	23	....	23	....	30	....	38	....	146	.....
F. G. & P. " 9..	....	5	....	17	....	15	...	15	....	22	....	18	....	19	....	52	.....	163
F. Gram. " 16..	....	....	2	3	4	5	7	16	17	20	24	20	51	35	119	116	224	215
Eng. Ger. " 1..	5	7	11	13	26	23	32	27	33	29	48	46	64	69	102	81	321	295
" " 2..	8	3	9	6	28	10	22	34	63	63	82	89	118	82	232	184	562	471
" " 3..	15	9	16	19	25	33	64	55	91	75	112	129	163	131	199	159	685	610
" " 4..	....	....	11	10	23	28	52	54	57	61	100	79	161	127	199	165	603	524
" " 5..	5	9	19	16	31	18	45	43	106	50	67	53	64	68	88	73	425	330
*H. & Gram. Col'd..	2	22	44	45	73	85	170	176	....	....	....	....	....	....	....	....	289	328
Male Col'd No. 1..	....	....	....	....	....	....	....	....	12	....	45	....	38	....	83	....	178	.....
" " " 2..	....	....	....	....	....	....	....	....	41	....	58	....	76	....	129	....	304	.....
" " " 3..	....	....	....	....	....	....	....	....	38	....	74	....	98	....	168	....	378	.....
" " " 4..	....	....	....	....	....	....	....	....	44	....	108	....	103	....	139	....	394	.....
" " " 5..	....	....	....	....	....	....	....	....	14	15	13	22	38	34	84	67	149	138
" " " 6..	....	....	....	....	....	....	....	....	19	....	43	....	61	....	111	....	234	.....
" " " 7..	....	....	....	....	....	....	....	....	3	....	53	....	95	....	287	....	438	.....
" " " 8..	....	....	....	....	....	....	....	....	22	....	37	....	53	...	116	....	228	.....
Fem. " " 1..	....	....	....	....	....	....	....	....	....	37	....	45	....	91	....	144	.....	317
" " " 2..	....	....	....	....	....	....	....	....	....	33	....	43	....	51	....	180	.....	307
" " " 3..	....	....	....	....	....	....	....	....	....	37	....	85	....	123	....	183	.....	428
" " " 4..	....	....	....	....	....	....	....	....	....	29	....	42	....	80	....	187	.....	338
" " " 6..	....	....	....	....	....	....	....	....	....	20	....	22	....	64	....	125	.....	231
" " " 7..	....	....	....	....	....	....	....	....	....	34	....	92	....	127	....	359	.....	612
" " " 8..	...	....	....	....	....	....	....	....	....	22	....	34	....	46	....	111	.....	213
Total Males....	42	....	113	....	219	....	407	....	583	....	887	....	1213	....	2094	....	5558	.....
" Females....	....	55	....	129	....	217	....	420	....	547	....	819	....	1147	....	2186	.....	5520

*See also on page 79.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

Annex Schools, and Summary of Grammar and Primary Grades.

SCHOOLS.	8th Grade		7th Grade		6th Grade		5th Grade		4th Grade		3d Grade		2d Grade		1st Grade		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Females.
Annex No. 1	....	....	8	4	4	11	11	6	13	15	17	18	20	14	52	36	125	104
" " 2	11	7	13	13	19	13	29	26	27	41	62	61	60	45	94	85	315	291
" " 3	8	9	22	27	21	23	28	21	45	45	39	36	68	60	90	59	321	280
" " 4	....	....	8	14	3	5	21	23	20	28	23	27	16	20	74	74	165	191
" " 5	2	6	....	....	7	4	10	11	27	10	27	13	14	11	42	29	129	84
" " 6	2	1	2	7	11	15	20	16	20	22	17	11	33	31	55	50	160	153
" " 7	2	5	7	13	11	20	15	13	18	18	18	28	34	24	67	65	172	186
" " 8	....	....	4	6	3	5	7	1	18	18	23	31	27	35	62	65	144	161
" " 9	4	3	5	4	6	6	10	19	18	27	19	15	15	15	41	33	118	122
" " 10	....	3	3	2	3	2	15	14	17	21	16	21	15	10	59	35	128	108
" " 11	1	2	2	7	6	10	9	11	16	16	19	22	23	21	41	33	117	122
" " 12	....	....	2	....	13	6	20	23	36	34	45	41	38	22	81	80	235	206
" " 13	....	....	1	1	2	....	4	3	8	8	12	12	18	14	51	61	96	99
Col'd " 1	....	....	....	4	1	2	....	....	7	7	7	8	11	17	50	26	76	64
" " 2	....	....	1	....	....	1	2	1	....	3	1	3	2	4	7	2	13	14
" " 3	....	....	....	....	1	2	....	....	3	1	2	3	3	9	1	15	26	30
Totals, Annex	30	36	78	102	111	125	201	188	293	314	347	350	397	352	883	748	2340	2215
In M. G. Schools	311	....	589	....	1123	....	1344	....	1750	....	....	....	....	....	....	....	5117	.....
" F. G. "	....	519	....	722	....	1180	....	1456	....	1825	....	....	....	....	....	....	.....	5702
" M. P. " *	....	....	....	....	....	....	....	....	....	....	1930	....	2728	....	4702	....	9360	.....
" F. P. " *	....	....	....	....	....	....	....	....	....	....	....	2125	....	2529	....	4410	.....	9094
" Mixed "	42	55	113	129	219	217	407	420	583	547	887	819	1213	1147	2094	2186	5558	5520
Males	383	....	780	....	1453	....	1952	....	2626	....	3164	....	4338	....	7679	....	22,375	.....
Females	....	610	....	953	....	1522	....	2064	....	2686	....	3324	....	4028	....	7344	.....	22,531

* See note on page 84.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Concluded.

RECAPITULATION.

	Males.	Females.	Totals.
Number in Fifth year (High).....	29	.....	29
" Fourth "	35	138	173
" Third " & M. T.....	58	46	104
" Second " "	164	172	336
" First " "	454	354	808
" Preparatory Dept. (Manual)..	165	.....	165
Totals.....	905	710	1615
Number in Eighth Grade (Grammar)....	383	610	993
" Seventh " "	780	953	1733
" Sixth " "	1453	1522	2975
" Fifth " "	1952	2064	4016
" Fourth " "	2626	2686	5312
Totals.....	7194	7835	15,029
Number in Third Grade (Primary).....	3164	3324	6488
" Second " "	4338	4028	8366
" First " "	*7694	7329	15,023
Totals.....	15,196	14,681	29,877
Number in High School and Man'l Course.	905	710	1615
" Grammar School " "	7194	7835	15,029
" Primary " " "	15,196	14,681	29,877
Aggregate.....	23,295	23,226	46,521

*In Female Primary No. 8 are 15 boys, which, in this statement and Table F, are counted in the column of males.

TABLE F.

STATEMENT SHOWING THE NUMBER ON ROLL IN EACH GRADE BY AGES.

BETWEEN WHAT AGES.	Sex.	GRAMMAR AND PRIMARY GRADES.								HIGH & MANUAL TRAINING.						TOTALS.	
		1st	2d	3d	4th	5th	6th	7th	8th	Prep'-tory.	1st Year.	2d Year.	3d Year.	4th Year.	5th Year.	Males.	Females.
5– 6	M.	338	1	....	....	....	....	....	....	Manual Training Sch'l.	....	....	....	....	....	339	.....
"	F.	385	....	....	....	....	....	....	....		....	....	....	....	....	.....	385
6– 7	M.	2098	37	1	....	....	....	....	....		....	....	....	....	....	2136	.....
"	F.	1868	26	....	....	....	....	....	....		....	....	....	....	....	.....	1894
7– 8	M.	2132	475	20	3	....	....	....	....		....	....	....	...	....	2630	.....
"	F.	2083	423	36	3	....	....	....	....		...	....	....	...	....	.....	2545
8– 9	M.	1380	1071	289	25	....	....	....	....		....	....	....	....	....	2765	.....
"	F.	1422	1083	384	28	2	....	....	....		....	...	....	....	....	.....	2919
9–10	M.	803	1040	689	242	16	2	....	....		....	....	....	....	....	2793	....
"	F.	738	967	799	267	37	...	....	....		....	....	....	....	....	.....	2808
10–11	M.	490	823	794	615	194	22	2	....		....	....	....	....	....	2940	.....
"	F.	414	811	867	661	266	32	1	....		....	....	....	....	....	.....	3052
11–12	M.	215	444	603	713	479	168	23	1	2	1	....	....	.	....	2649	.....
"	F.	220	367	603	763	548	192	21	2	....	....	....	....	....	....	.....	2716
12–13	M.	166	270	417	531	521	387	134	18	11	2	....	....	....	....	2457	.....
"	F.	118	217	376	538	581	425	162	30	....	....	....	....	....	....	.....	2447
13–14	M.	47	117	220	318	422	440	275	83	26	39	....	....	....	....	1987	.....
"	F.	55	86	184	266	355	440	297	140	....	16	....	....	....	....	.....	1839
14–15	M.	20	48	95	130	231	297	220	128	51	103	60	5	...	....	1388	.....
"	F.	19	29	55	118	193	296	274	206	....	106	14	....	1	...	.....	1311
15–16	M.	3	9	24	40	68	110	87	101	34	167	51	11	6	....	711	.....
"	F.	6	16	16	25	61	97	138	137	....	126	54	1	10	....	.....	687
16–17	M.	2	2	8	8	20	23	34	37	26	99	31	18	12	7	327	.....
"	F.	1	3	4	14	21	27	51	73	....	79	73	23	51	....	.....	420
17–18	M.	....	1	3	1	1	4	4	13	13	30	14	17	7	12	120	.....
"	F.	....	....	....	3	....	13	5	21	....	24	25	16	51	....	.....	158
18–19	M.	....	....	1	...	....	....	....	2	2	11	6	6	7	8	43	.....
"	F.	....	....	....	....	....	....	2	1	....	3	6	6	25	....	.....	43
19–20	M.	....	....	....	....	....	....	1	....	...	1	1	1	3	2	9	.....
"	F.	....	....	....	...	....	....	....	....	...	..	....	....	....	....	.....	.....
20–21	M.	....	....	....	....	...	....	...	....	....	1	1	....	....	....	2	.....
"	F.	....	....	...	..	....	....	2	....	....	....	....	....	....	....	.....	2
Totals ..	....	15,023	8366	6488	5312	4016	2975	1733	993	165	868	336	104	173	29	23,295	23,226
Aggregate																	46,521

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE G.

Result of Examination of Third Grade Pupils—June, 1888.

MALE PRIMARY SCHOOLS.	Number on Roll.	Number Examined.	Number Passed.	Number Promoted.	FEMALE PRIMARY SCHOOLS.	Number on Roll.	Number Examined.	Number Passed.	Number Promoted.
No. 1	85	82	62	72	No. 1	94	84	65	73
" 2	41	41	32	36	" 2	38	37	27	29
" 3	52	51	30	38	" 3	43	37	24	32
" 4	55	55	51	53	" 4	32	32	24	31
" 5	74	70	53	57	" 5	73	68	41	55
" 6	77	75	69	72	" 6	83	64	52	54
" 7	27	27	26	27	" 7	22	21	19	21
" 8	45	41	18	26	" 8	57	54	35	42
" 10	46	45	37	43	" 10	36	30	27	28
" 11	78	77	59	68	" 11	77	77	59	65
" 12	66	65	29	44	" 12	71	69	54	63
" 13	27	26	26	26	" 13	24	23	22	23
" 14	98	90	58	72	" 14	64	58	46	52
" 15	109	106	67	79	" 15	129	129	94	108
" 16	70	69	40	49	" 16	71	61	47	54
" 17	54	53	25	34	" 17	76	63	46	55
" 18	63	63	42	54	" 18	49	45	38	40
" 19	44	43	26	29	" 19	55	54	36	41
" 20	71	68	58	60	" 20	107	96	78	83
" 21	47	45	34	42	" 21	56	53	34	42
" 22	44	44	30	34	" 22	52	51	47	48
" 23	52	49	32	37	" 23	66	58	19	47
" 24	30	30	29	30	" 24	48	44	30	35
" 25	40	34	22	28	" 25	43	27	14	22
" 26	25	25	21	22	" 26	43	39	22	29
" 27	57	57	53	55	" 27	69	65	52	58
" 28	48	48	31	37	" 28	79	77	56	57
" 29	20	18	18	18	" 29	30	30	26	28
" 30	110	105	70	82	" 30	110	107	96	98
" 31	47	43	27	32	" 31	39	30	21	30
Totals	1702	1645	1175	1356	Totals	1836	1683	1251	1433

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE G—Concluded.

SCHOOLS.	Number on Roll.	Number Examined.	Number Passed.	Number Promoted.	COLORED SCHOOLS.	Number on Roll.	Number Examined.	Number Passed.	Number Promoted.
M. G. & P. No. 9.	21	19	17	17	Male No. 1.....	23	12	7	7
F. G. & P. " 9.	21	20	17	17	" " 2.....	47	44	34	34
Fem. Gram. " 16.	46	33	28	28	" " 3.....	53	47	39	39
Eng.-Ger. " 1.	91	88	39	39	" " 4.....	87	82	29	29
" 2	152	146	106	106	" " 5.....	30	24	16	16
" 3.	193	190	72	116	" " 6.....	24	24	7	7
" 4.	189	179	79	103	" " 7.....	26	25	6	6
" 5.	184	180	155	155	" " 8.....	23	21	11	11
					Fem. " 1.....	34	28	23	24
Totals.....	897	855	513	581	" " 2.....	37	36	24	25
					" " 3.....	71	68	46	46
					" " 4.....	45	44	18	18
					" " 6.....	27	23	16	16
					" " 7.....	65	59	32	32
					" " 8.....	28	25	21	21
					Totals.....	620	562	329	331

RECAPITULATION.

SCHOOLS.	Number on Roll.	Number Examined.	Number Passed.	Number Promoted.
Male Primary...	1,702	1,645	1,175	1,356
Female Primary.	1,836	1,683	1,251	1,433
Nos. 9, 16, E.-G.	897	855	513	581
Colored.....	620	562	329	331
Totals.....	5,055	4,745	3,268	3,681

REPORT

— OF THE —

Assistant Superintendent

— OF —

PUBLIC INSTRUCTION.

BALTIMORE, January 1st, 1889.

HENRY A. WISE,

Superintendent of Public Instruction.

SIR:

During the year, as occasion presented itself, the varied interests and needs of the primary schools were presented to your consideration. This fact renders it unnecessary for me to make at this time any other than a merely formal report.

The action of the Board in prescribing only yearly examinations for promotion from grade to grade has produced good results. Owing to a misunderstanding of the extent of work assigned, some dissatisfaction at first existed in the minds of the teachers, but with increased experience this is rapidly passing away. When the present course of study was prescribed, teachers were

somewhat disturbed at being required to commence with children not so far advanced as those formerly placed under their charge. The present scheduled system of study requires this to be done, since the old six grades have been merged into three. This has worked to the advantage of the schools and the pupils in many respects. In small schools the work has been more systematically accomplished by avoiding the necessity of requiring one teacher to teach two grades in the same class and, in large schools, by placing several teachers on the same grade of work, thereby giving an opportunity of comparing teaching ability, and the results of the teacher's labor in the same school, with like material and similar surroundings. This condition of circumstances has enabled me in several instances to form a correct judgment concerning the professional ability of the teachers. It has also excited among them emulation, producing a desire to do well. It has created a community of interests in the same school. Teachers now confer with each other as to the methods of producing the best results. There is a greater desire to know *how* to teach than, as was formerly the case, to know primarily *what* to teach. The *what* has been merged into the *how*, and in the general work there is no fear of the former being neglected. Has not this been also of benefit to the pupils? While not such large numbers have been promoted, yet their preparation has been more real, and their ability to pursue advanced work has been improved.

But this establishment of yearly grades has brought about a difficulty in the first year grade which has produced some trouble and disadvantage to the work of the primary schools. A provision of the Board prohibited the admission of pupils to the beginners' class except during the month of September. Those engaged in the work of education understand thoroughly the wisdom of such a rule, but the parents of children who come to the legal age prescribed by our regulations, during the year, object strenuously to being compelled to keep such children from school until the following September. In order to meet this objection, the Board adopted a rule to the effect that any child arriving at the age of six years prior to the first of March should, on proper application, be admitted during the month of the previous September. Of the children admitted under this rule, not more than five per cent. receive any material advantage; on the other hand, owing to the impossibility of requiring them to conform to the strict discipline that is found wholesome, if not indispensable, in the regular work of a primary school, they, being inclined to mischief, form evil habits, which have a tendency to demoralize the rest of the class. Weeds grow rapidly, and the teachers are caused much trouble and pains to eradicate habits which should never have been allowed to form. There is another evil in this connection. Parents frequently, in order to secure admission for their children, misrepresent the facts in connection with their age, and it is not infrequent that children who are not of legal age

are found in the primary schools. This is a double sin on the part of such parents, a sin against themselves, and, what is more reprehensible, a sin against their children. The establishment of Kindergartens by the Board would be a partial remedy for this evil, but in lieu of this the Board should adopt strict measures to prevent the admission of children under legal age into our primary schools.

Owing to this difficulty, together with the fact that during the winter months the attendance is very poor, by reason of sickness and bad weather, and the refusal of parents to send small children to school, except in good weather, the promotions from this grade do not average forty per cent. of the enrollment. In some schools in which the number of pupils is sufficient to adopt such a course without an increase of teaching force, I have in order to increase the working efficiency of the grade, recommended the principal to re-organize the classes in the spring, by placing such as are evidently unfitted to complete the work of the year into separate classes from those who can be prepared for the second year's work. In small schools this cannot be done without the employment of additional teaching force, which the inadequate average attendance of the school will not allow. In these cases this is unfortunate, but at the same time this re-arrangement has given me an opportunity of comparing the results obtained through the operation of each method. In such schools where this re-division has been made, I find not only the percentage of promotions greater, but the pro-

ficiency of the pupils to be much more efficient. Where the number of pupils in the beginners' class is only sufficient for one teacher, the brightest receive all the effort of the teacher, and the rest almost entirely neglected, or in the effort to accomplish all an entire failure is the teacher's reward at the end of the year.

There is one other phase of this subject to which proper attention should be directed. The first year classes especially in large schools almost invariably contain too many pupils. The average attendance necessary for the employment of a teacher is 40, reduced in the beginners' classes to 35; yet there is scarcely a class of this work in any of the schools in which the enrollment does not reach 60, and in many, double the required attendance. From the annual reports of the year just closed I present you the following statistics on this subject:

In the female primary schools 34 classes contain more than sixty, the greatest number ranging from 109 to 122.

In the male primary schools 34 classes more than 60, the greatest number from 103 to 130.

In the English-German schools 26 classes more than 60, the greatest number from 100 to 133.

In the colored schools 20 classes more than 60, the greatest number from 96 to 120.

In the annex schools 20 classes more than 60, the greatest number from 86 to 161.

In some of these classes the teacher has assistance for a portion of the day, in some two teachers are in the same room the entire time, and in the rest but one teacher to perform an impossible task.

If there is any portion of school work that stands in need of a thorough sub-division of labor in separate apartments, it is the first grade. Any teacher of experience can more readily teach 60 pupils in any other grade than this, for the reason that it is here that the personal individuality of the teacher should come into closer contact with the pupil than elsewhere. Much individual teaching must constantly be employed to awaken the child's intelligence and lead it into the habit of doing what is necessary to produce a desire for knowledge and create an aptness in its acquirement. No teacher in this department should have more than 50 enrolled pupils, and every such class should have a room for its own use.

This of course will require increased accommodations for our primary schools, or an increased number of such schools in the more populous neighborhoods. The deficiency in this respect is the first cause of the evils that exist in our public school work to-day. It impairs the efficiency of our teachers and retards the progress of the pupils in their advancement from grade to grade.

If you examine the table of ages by grades you will find that about 30 per cent. of the number of pupils are at least 2 years behind the time of their regular promotion into advanced work. Out of about 13,000 pupils of the first grade, about 3,000 are over 9 years of age. Out of 8,600 of the second grade, about 3,200 are over 10 years of age. Out of about 5,600 of the third grade, about 2,500 are above 11 years of age. When we consider the fact that pupils are admitted to the primary schools between 5 and 6 years of age, and that with effective teaching and suitable accommodations, their school life in the primary classes should end between 9 and 10, our serious attention should be attracted to this subject. The fact that, on an average, children remain in school but three-fifths of a year, and that many are not sent to school until over 7 years of age, does not fully account for the unsatisfactory results given above. I do not hesitate to say that it can only be accounted for by reason of the overburdening of our teachers with more pupils than they can effectively teach. To remedy this evil only requires the expenditure of so much more money as will insure the admission of every child to a comfortably equipped school-room. On the score of economy the city should be prompted to this course. It costs less to do three years' work in *three* years than in *five*. Again, for every year that a child is detained he loses so much education necessary to fit him for the duties of life. Duty and public policy demand that every measure intended to benefit our public school system should be so broad and comprehensive,

that not only every child entitled to its privileges and benefits should be admitted, but that the expenditure in that direction should be so ample as to insure the best instruction in our power to impart.

My visitations during the past year were made with reference, particularly, to the better grading and government of the schools and the increasing of the teaching capacity of the instructors of the primary school classes. Year after year young ladies with sufficient scholastic acquirements, but without any or slight professional training, are placed in charge of the children of our schools in the lower grades, in order to begin with them the work of their education. New teachers, as is sometimes the case, should never be placed in the beginners' classes in order to experiment, but successful experience and superior merit should constitute the proper qualifications for instructors of children in this grade. There is no more honorable position in our system than this; no more laudable ambition for a teacher than to fit and perfect herself as a competent instructor in the lowest primary grade.

But should ignorance of methods be tolerated in any phase of the development of childhood? Education is a science, and as such it should be mastered before the practical duties are assumed. In other pursuits the tyro may be allowed to spoil and waste his first piece of work, but in teaching the material is of too much value to allow of chance success or of utter failure. An eminent oculist has said that he ruined

a hatfull of eyes before he attained any success in his profession. How many so-called teachers have blighted the intellectual prospects of scores of immortal beings in learning how to teach? Shall we pursue forever the same old paths? Must the educational world suppose that here in Baltimore, normal schools and professional training are unknown? My judgment, formed after an experience of four years in my present position and a thorough investigation of the subject, convinces me that those teachers who have had, even in part, instruction in methods of teaching, more readily acquire the skill and tact necessary to impart instruction, and more quickly attain the position which entitles them to be classed as teachers than those who have had none. No argument is necessary to convince. Professional training is absolutely necessary to a system of public school instruction. A training school should be established at once if we would clearly see our duty and be abreast of the times in educational effort. Last year you presented this matter so forcibly that it may seem to be unnecessary that I should mention it in this report. But there is one phase of the question which should be considered. The primary schools which, reasoning from correct educational principles, should have the best talent and teaching ability that can be procured, are made the training ground for grammar school supply. This is owing to the fact that assistant teachers are paid according to the position they occupy, instead of for their efficiency and experience. There should be no difference between the salaries of

assistants in primary and grammar schools. Experience and ability acquired through that experience should have equal compensation in both departments. If this were done teachers could be placed where they can do the best work and where their services are most required. This would work to a great advantage in our system, as it does in that of nearly every large city in the United States.

I deem it unnecessary to say anything concerning the schools lately brought into our city system by legal enactment. Your thorough examination of them will enable you to present their condition and requirements in such a manner as will clearly inform the City Council and the Board of what should be done to make them harmonize with the schools in the older part of the city.

We have also had frequent consultations concerning the organization of reading circles under the supervision of the State Teachers' Association, and my views with reference to their usefulness are in entire accord with your own. You will, no doubt, present this matter with reference to their proper influence upon the teachers of our schools.

The subject of the improvement of our primary schools has absorbed my whole attention, and I can only express the hope that the time is not far distant when such action will be taken as will place them in a position to become more effective in the education of our youth.

The year past, in the discharge of official duty, has been one of pleasure and profit to me. Nothing has occurred to weaken my confidence in the integrity and usefulness of our teachers. Their work has been quietly and unobtrusively done, and their earnestness and faithfulness in the discharge of duty merit the commendation of all interested in the welfare of our city.

With thanks to yourself, the Board and its officers and the teachers generally, this report is respectfully submitted.

JOHN E. McCAHAN,

Assistant Superintendent.

REPORT

— OF THE —

Superintendent of Supplies.

BALTIMORE, December 31st, 1888.

To the Board of Commissioners of Public Schools.

GENTLEMEN:

I have the honor to submit the third annual report of this office.

During the year the increase of scholars in the schools located near the boundaries of the old city limits has called for increased accommodations, and with a view to providing them, buildings were rented and fitted up for the use of classes of Male and Female No. 6, Male Primary No. 20, Male Primary No. 28, Female Primary No. 30 and Male and Female Primary No. 31, and rooms in other schools were fitted up for classes of Female Grammar No. 6 and Female Primary No. 28. Some of the rooms were supplied with old furniture repaired at a trifling cost as compared with the cost of new furniture, and other rooms were supplied with new furniture, because the demands for

accommodations were so pressing as to require prompt attention, and at that time the old unused stock had been exhausted.

The new building on Caroline street near Lombard was completed in June, and during the summer was fitted with new furniture for the accommodation of Male and Female Primary No. 8. The rented buildings occupied by these schools during the erection of the new building were cleared of the furniture, books, etc., in time to save the expense which would have been entailed if the occupancy had extended into July, and, after being repaired, were surrendered to their owners.

The building on Saratoga street near Charles was completed during the autumn, and was fitted with entire new furniture in time for its occupancy in December by the High and Grammar Colored School and Female Colored School No. 1. The building occupied by Female Colored School No. 1 during the erection of the new house, will be cleared of its furniture and repaired in time to be surrendered to its owner before the expiration of the lease. It is a matter to be regretted that Male Colored School No. 1 could not be accommodated in the building, but it was found that the High and Grammar School and Female Colored School No. 1 had so increased in numbers, as to require nearly the entire building for their present number of scholars. During the early portion of next year it is hoped to make some re-arrangement of furni-

ture, etc., in Male Colored School No. 1, which will tend to mitigate some of the discomforts under which the teachers and pupils are now laboring. Not much can be done, because the condition of the building will not warrant much expense, but by giving that school some of the rooms formerly occupied by the High and Grammar School, improved light and ventilation can be secured and more room be provided for the pupils.

The delay in fitting up the school on Saratoga street, with the circumstances of which you are all familiar, prevented our getting the old furniture in time for use in the rented buildings before referred to; and has caused to be left on hand in the store-room a considerable quantity of such furniture, all of which can be put in order at small expense, and used wherever circumstances make additional furniture necessary.

During the summer the heating apparatus was put in thorough order, and the whitewashing and general cleaning thoroughly done. The policy of painting or calcimining new walls has been continued with happy results, and the experience of another year makes me more convinced of the correctness of the position assumed in my report for last year.

The fuel contracts were let early enough in the year to secure the benefits of the lowest prices, and to have the necessary papers drawn and preliminaries arranged for the reception of the coal and wood, in time to avoid

any interference with the work of painting or cleaning by this department or the Inspector of Buildings. It is to be regretted that, again, not enough money was appropriated to allow for obtaining a full supply of fuel; and we may congratulate ourselves that the mildness of the winter so far has made unnecessary any considerable demand for increased supply.

The practice of supplying large framed slates instead of the old style wooden blackboards has been continued with happy results, indeed, to my mind it would be a measure of economy to gradually supersede the old wooden boards with slates. I am moved to this thought because of the facts, that wooden boards are a constant source of expense, and that they fail to give satisfaction except for a short time after they are painted, while the slate boards remain the same, always giving satisfaction.

The use of galvanized iron ash-cans instead of wooden boxes, which I recommended last year, has been begun, and as the old boxes are burnt or otherwise destroyed, the iron cans are substituted.

The annexation of the territory known as the Belt brought into the system 16 additional schools, the furniture of which was bought at a fair valuation ($4.500). While much of the furniture was in good order, a considerable quantity of it had to be thoroughly repaired, and much of it had to be oiled and scraped to give the rooms a comfortable and neat appearance. With the amount placed at the disposal of the committee, the

work of fitting up those schools was begun in July and completed in time for the opening in September. Nearly all the buildings were white-washed, and all were thoroughly cleaned. Fuel was supplied, heating apparatus put in good order, and such other work done as the circumstances required and the means enabled to be done. In all cases except one, (Annex Colored No. 2), the schools were raised to the level of our old schools, in regard to furniture. In Annex Colored School No. 2 nothing was done to the furniture because the owners of its building contemplated making considerable repairs. It is hoped that the repairs will be made soon and thus allow us to fit it up with furniture of suitable character to take the place of the unsightly wooden forms now in use. Since the opening of those schools, additional accommodations have been secured for the increased scholars of No. 3, No. 4 and No. 12, and have been supplied with the necessary furniture; and a new school has been organized in the northeastern section, (No. 13), which has been fitted up for the accommodation of 200 pupils.

Besides fitting up additional buildings, a considerable quantity of furniture has been supplied to schools in the old and new limits where the increase in scholars rendered additional accommodations necessary. The quantity of furniture supplied during the year to all the schools was as follows: Pupils' desks, 1,873; rear seats, 282; principals' desks, 10; assistants' desks, 62; chairs, 291;

large book-cases, 4 ; small book-cases, 67 ; slate boards, 191 ; clocks, 9 ; wardrobes, 8 ; umbrella stands, 15 ; wash stands, 6 ; tables, 10 ; music boards, 4.

Wherever circumstances allowed, such exchange or rearrangement of furniture has been made as would provide small desks for small children, instead of the large desks still in use in some of our primary grades. Permit me to call your attention to my remarks upon this subject in last year's report, and to add that another year's experience strengthens my opinion.

As the appropriation for the items of heating apparatus and repairs, furniture, repairs and cleaning, and fuel, are largely under the supervision of this office, it may not be considered out of place to call attention to the fact, that of those items $4,651.25 was unexpended, and used (by authority of the Mayor and City Council), towards paying the salaries, in which account there was a deficiency.

In addition to the recommendations before made, I would suggest the desirability of providing in the new buildings, rooms sufficiently large to allow the use of single desks; and I would heartily recommend that single desks be placed in the principals' rooms of the old buildings, so far as practicable.

I desire to extend my warm expressions of thanks to the members and officers of the Board for the cordial assistance and support given me, and to the teachers

for the uniform courtesy extended to me. I would especially mention with praise the faithfulness of the Librarian of the Board, whose careful management of his department has much assisted my work.

Your attention is invited to the inventory of furniture, stoves, &c., which accompanies this report.

Very Respectfully,

C. W. KEIDEL,

Superintendent of Supplies.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c, IN THE SCHOOLS, DECEMBER 31, 1888.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book cases	Small Book cases	Black-boards.	Clocks.	Organs.	Pianos.	W'drobes.	Umbrella Stands	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Balto. City College.	573	27	78	16	108	19	1	12	13	1	...	1	....	....	8	4	....	....	$6,409 00
E. Fem. H. School.	331	25	84	24	100	7	....	22	3	....	2	....	....	....	12	4	2	....	4,892 50
W. " "	328	19	159	15	103	14	7	32	2	1	1	....	....	....	9	5	1	2	4,369 25
Man. Train. School.	256	32	....	5	55	4	....	16	2	1	....	....	....	....	16	....	8	8	1,643 50
Totals, H. & M. T..	1488	103	321	60	316	44	8	82	20	3	3	1	....	....	45	13	11	10	$17,314 25
Male Gram. No. 1.	260	39	....	10	24	1	6	20	2	1	...	1	....	....	....	6	1	2	$2,197 50
" " " 2.	227	36	....	9	12	4	8	18	1	1	....	2	....	....	....	....	11	13	1,173 00
" " " 3.	124	20	2	7	10	....	9	13	1	1	....	1	....	....	1	6	1	1	1,629 00
" " " 4.	177	29	2	7	19	1	7	21	1	1	....	2	1	1	2	....	8	14	1,158 25
" " " 5.	133	18	....	7	12	3	6	12	2	1	....	....	....	1	1	....	8	8	922 50
" " " 6.	197	32	2	9	16	1	7	17	1	1	....	....	4	....	....	5	....	....	1,619 00
" " " 7.	152	24	....	6	9	1	7	19	1	1	....	1	....	1	1	4	1	2	1,501 75
" " " 8.	223	37	....	10	16	2	10	18	2	1	...	2	1	2	1	4	1	....	1,741 00
" G. & P. " 9.	125	14	3	10	11	1	7	16	2	1	....	....	....	....	....	....	7	7	577 00
" Gram. " 10.	186	28	1	8	17	2	9	22	2	1	....	1	....	1	1	....	8	16	1,253 75
" " " 11.	187	32	....	8	24	2	7	10	1	1	....	1	...	1	1	5	1	1	1,802 00
" " " 12.	226	31	....	9	14	1	6	17	1	1	....	2	1	....	1	5	1	2	1,822 50
" " " 13.	161	29	10	8	15	3	4	18	1	1	....	1	....	1	....	....	7	11	1,057 75
" " " 15.	398	59	....	16	29	6	12	43	2	2	....	....	2	....	....	5	....	....	2,715 25
" " " 17.	138	20	....	8	21	2	5	16	1	1	....	1	....	1	...	....	7	12	963 25
" " " 18.	147	24	3	7	17	2	3	21	1	1	....	1	1	1	1	4	2	3	1,496 75
" " " 19.	162	20	....	7	14	2	2	11	2	1	....	1	1	....	....	....	6	10	973 00
" " " 20.	209	29	....	11	11	2	6	15	2	1	....	....	....	....	1	....	8	16	1,223 75
" " " 21.	242	40	....	9	23	1	6	17	1	1	....	1	....	....	....	....	10	18	1,515 75
Totals, Male Gram.	3674	561	23	166	314	37	127	344	27	20	....	18	11	10	11	44	88	136	$27,342 75

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book cases	Small Book cases	Black-boards.	Clocks.	Organs.	Pianos.	W'drobes.	Umbrella Stands.	Wash Stands	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Fem. Gram. No. 1.	253	40	38	10	16	3	5	32	1	....	1	1	....	1	1	6	....	....	$2,508 00
" " " 2.	162	25	....	8	13	2	6	16	1	1	....	2	....	....	....	....	8	14	926 25
" " " 3.	128	19	....	5	14	2	7	17	1	1	....	....	....	....	1	*	1	1	717 25
" " " 4.	167	26	15	7	16	2	7	15	1	1	1	1	2	1	2	....	8	16	1,424 00
" " " 5.	156	25	4	8	15	2	6	19	1	1	....	....	....	1	....	....	7	9	1,025 25
" " " 6.	245	30	12	7	21	2	6	16	1	....	1	1	4	....	1	*	....	....	1,264 50
" " " 7	152	24	....	6	16	1	5	21	1	1	....	1	....	1	1	*	1	2	899 00
" " " 8.	205	30	8	11	23	3	14	16	1	1	....	....	1	1	1	*	1	...	1,161 25
" G. & P. " 9.	87	10	....	6	8	2	1	10	1	1	....	....	1	....	....	....	....	....	451 00
" Gram. " 10.	175	29	3	7	15	3	4	16	3	1	....	1	2	....	1	....	7	14	1,191 75
" " " 11.	168	28	....	7	26	2	7	12	2	1	....	4	....	1	1	*	1	1	1,009 25
" " " 12.	219	28	5	9	21	1	6	19	1	1	....	1	2	...	1	*	1	....	1,138 75
" " " 13.	174	32	7	7	18	2	7	20	1	1	....	1	....	....	....	....	7	12	1,143 50
" " " 15.	310	42	....	11	35	2	10	11	2	....	1	2	....	2	2	4	2	2	2,518 75
" " " 16.	196	32	....	7	21	2	7	16	1	2	....	1	1	1	2	4	1	2	1,702 25
" " " 17.	173	30	....	9	20	1	7	17	1	1	....	1	....	1	....	....	8	12	1,090 00
" " " 18.	139	23	11	7	19	1	2	16	1	1	....	....	1	....	1	*	....	....	769 75
" " " 19	128	17	...	5	13	1	4	8	1	....	1	....	....	....	....	....	5	10	968 75
" " " 20.	218	33	....	6	13	5	7	24	1	1	..	....	....	1	1	....	9	14	1,372 25
" " " 21.	254	41	....	10	19	1	7	20	1	1	....	1	1	1	1	....	8	14	1,549 75
Totals, Fem. Gram.	3709	564	103	153	362	40	125	341	24	17	5	18	15	12	17	14	75	123	$24,831 25
English-Ger. No. 1.	336	39	2	13	25	7	1	24	2	2	....	....	....	....	....	....	13	15	$1,897 75
" " 2.	535	74	....	20	43	....	12	40	2	2	....	4	....	2	3	6	2	2	3,524 25
" " 3.	542	66	....	19	32	2	15	35	2	2	....	2	....	....	2	2	2	1	3,449 00
" " 4.	520	63	....	18	45	....	16	35	2	2	....	4	1	2	2	6	2	2	3,388 00
" " 5.	532	58	1	19	24	10	7	28	2	2	....	....	....	....	1	....	17	16	2,244 75
Totals, Eng..Ger...	2465	300	3	89	169	19	51	162	10	10	....	10	1	4	8	14	36	36	$14,503 75

* Included in the male grammar department.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book cases	Small Book cases	Black-boards.	Clocks.	Organs.	Pianos.	W'drobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Male Prim. No. 1.	294	49	2	12	22	....	9	18	1	1	....	1	....	....	....	*	....	....	$1,095 00
" " " 2	116	18	2	7	13	1	5	12	1	1	....	....	....	....	....	....	5	9	714 25
" " " 3.	134	27	....	6	7	1	7	15	1	1	....	2	....	1	....	*	1	1	756 25
" " " 4.	147	24	5	6	8	3	5	18	1	1	....	....	....	1	2	....	6	12	996 50
" " " 5.	230	33	3	6	7	2	7	20	1	1	....	....	1	1	....	6	....	....	2,034 75
" " " 6.	205	32	....	7	17	1	7	20	1	1	....	2	....	....	1	....	8	8	1,102 25
" " " 7.	121	24	....	6	24	1	5	14	1	1	....	1	1	....	....	2	3	3	992 00
" " " 8.	182	35	....	7	24	1	6	6	1	1	....	1	....	....	....	....	8	15	1,084 50
" " " 10.	107	19	2	7	9	2	3	20	1	1	....	....	....	....	....	....	6	9	837 00
" " " 11.	193	26	....	6	20	1	5	6	1	1	..	1	....	....	2	4	1	2	1,885 50
" " " 12.	187	33	....	7	15	3	7	18	1	1	....	1	....	1	2	....	7	8	1,124 75
" " " 13.	129	18	....	6	6	1	3	8	1	1	....	....	....	....	....	....	5	5	740 00
" " " 14.	179	27	....	8	24	....	6	17	1	1	....	2	1	....	1	5	....	....	1,734 00
" " " 15.	206	20	....	9	14	1	6	15	1	1	1	....	....	1	....	....	9	10	1,338 00
" " " 16.	196	27	5	6	18	1	4	17	1	1	....	1	....	....	1	5	....	....	1,805 50
" " " 17.	169	33	....	10	10	1	6	14	1	1	....	1	....	1	1	....	8	11	1,085 00
" " " 18.	161	26	....	6	12	1	2	12	1	1	....	1	1	....	1	....	7	12	978 00
" " " 19.	108	18	....	7	13	2	5	15	1	1	....	....	1	....	....	....	5	5	778 00
" " " 20.	374	52	....	17	29	2	11	46	2	1	....	....	....	....	1	....	12	25	2,021 75
" " " 21.	184	31	....	5	11	2	4	15	1	1	....	1	....	1	1	....	7	10	1,090 75
" " " 22.	157	25	11	6	12	1	6	18	1	1	....	....	....	1	....	....	8	7	969 25
" " " 23.	194	26	....	6	19	1	5	6	1	1	....	1	....	....	1	4	1	1	1,897 50
" " " 24.	136	17	....	6	6	1	5	8	1	1	....	1	....	1	....	....	6	6	787 00
" " " 25.	129	21	....	8	14	1	2	14	1	1	....	1	....	1	1	....	5	6	810 00
" " " 26.	124	20	4	7	11	1	4	14	1	1	....	....	....	....	....	....	5	6	765 00
" " " 27.	204	32	....	7	13	1	6	18	....	1	....	....	....	1	....	....	8	14	1,225 00
" " " 28.	183	26	....	8	15	1	6	17	1	1	....	1	....	1	1	....	9	16	1,255 75
" " " 29.	196	24	....	6	18	1	6	8	1	1	....	1	....	1	1	4	1	1	1,915 00
" " " 30.	286	46	....	10	24	2	6	25	4	1	....	1	....	2	2	4	3	4	2,135 00
" " " 31.	122	18	....	6	9	1	4	13	1	1	...	1	....	....	....	....	6	10	765 50
Totals, Male Prim.	5353	827	34	221	444	38	153	477	33	30	1	22	5	15	19	34	140	216	$36,718 75

* Included in the male grammar department.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book cases	Small Book cases	Black-boards.	Clocks.	Organs.	Pianos.	Ward-robes.	Umbrella Stands	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Fem. Prim. No. 1.	267	38	49	14	27	2	8	43	2	1	....	....	1	...	....	†	1	1	$1,496 75
" " " 2.	98	14	....	5	15	2	4	12	1	1	....	....	1	1	1	....	5	10	678 25
" " " 3.	137	20	2	6	11	2	8	14	1	1	....	1	1	1	1	*	1	1	779 75
" " " 4.	130	22	6	6	9	1	4	13	1	1	..	1	. ..	1	....	....	6	12	838 75
" " " 5.	262	40	2	9	9	1	6	16	1	1	....	1	1	....	....	††	1	....	1,270 25
" " " 6.	231	33	....	7	20	1	10	18	1	1	...	1	1	...	1	....	8	14	1,309 50
" " " 7.	93	6	....	5	13	....	5	9	1	1	....	2	11	....	....	††	....	....	591 25
" " " 8.	182	35	....	7	24	1	6	7	1	1	...	1	....	....	...	....	8	15	1,092 50
" " " 10.	120	18	....	7	11	2	4	18	2	1	....	....	....	....	....	....	5	9	789 50
" " " 11.	213	26	....	6	20	1	5	6	1	1	....	1	....	...	1	††	1	1	1,261 50
" " " 12.	176	30	2	8	14	1	6	26	1	1	..	1	....	....	....	....	9	9	1,146 25
" " " 13.	110	22	2	5	9	2	2	8	1	1	....	....	...	...	....	....	5	4	704 25
" " " 14.	154	24	....	6	20	....	7	15	1	1	....	2	2	1	1	††	1	1	858 00
" " " 15.	207	33	3	10	23	2	6	19	2	1	...	....	.	1	1	....	9	8	1,287 75
" " " 16.	168	27	....	6	20	1	5	16	1	1	....	1	1	....	1	††	....	....	920 00
" " " 17.	180	28	....	7	17	1	6	18	1	1	...	1	1	1	1	....	7	14	1,110 75
" " " 18.	114	8	....	6	16	1	2	8	1	1	....	1	1	1	1	....	6	10	672 00
" " " 19.	120	25	....	5	11	1	5	13	1	1	....	....	1	....	....	....	6	10	807 75
" " " 20.	334	49	4	15	26	1	12	27	3	1	....	1	1	....	....	....	12	25	1,815 00
" " " 21.	177	31	....	6	12	1	3	17	1	1	....	1	....	....	1	....	7	11	1,046 25
" " " 22.	170	30	11	6	12	1	6	17	1	1	....	....	....	1	....	....	8	7	1,055 50
" " " 23.	194	26	....	6	19	1	5	6	1	1	....	1	....	....	1	††	1	1	1,185 50
" " " 24.	112	15	....	5	6	1	3	7	1	1	....	....	....	....	....	....	4	8	665 00
" " " 25.	124	18	....	5	13	1	....	14	1	1	....	1	2	....	1	...	5	10	673 50
" " " 26.	140	30	....	5	12	1	3	13	1	1	....	....	....	1	1	....	6	7	849 50
" " " 27.	187	31	....	10	17	1	3	15	2	1	....	....	1	....	1	....	6	12	1,013 00
" " " 28.	175	27	....	7	17	2	7	21	1	1	....	1	....	1	1	....	8	14	1,168 25
" " " 29.	188	24	....	6	20	1	6	6	1	1	..	1	....	1	1	††	1	1	1,160 00
" " " 30.	247	46	....	10	17	1	6	24	2	1	....	....	2	1	1	††	1	2	1,280 25
" " " 31.	120	22	....	9	13	1	5	10	1	1	....	1	1	....	....	....	6	7	787 50
Totals, Fem. Prim.	5130	788	81	215	473	35	158	456	37	30	....	21	29	12	17	....	144	224	$30,314 00

*Included in the male gram. department. †Included in the fem. gram. department. ††Included in the male primary department.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book Cases.	Small Book Cases.	Black-boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
H. & G. Col'd.....	430	65	....	16	48	....	15	49	1	1	...	2	....	....	2	6	....	....	$3,013 50
Male Col'd No. 1.	90	12	....	4	8	1	2	12	1	1	....	1	....	....	4	....	6	....	635 00
" " " 2.	196	30	....	7	12	1	6	16	1	1	....	....	....	....	....	....	6	10	1,010 00
" " " 3.	187	26	....	9	12	1	6	24	1	1	....	....	....	1	....	....	9	9	1,109 70
" " " 4.	156	8	....	6	12	2	2	11	2	1	....	....	....	....	....	....	5	5	673 00
" " " 5.	162	25	....	9	8	2	3	15	3	1	....	....	....	....	....	....	6	6	981 00
" " " 6.	121	20	9	6	9	2	....	15	1	1	....	....	....	....	....	....	6	9	873 00
" " " 7.	247	37	....	10	23	1	9	25	1	1	....	1	2	1	1	6	1	2	2,174 25
" " " 8.	82	14	....	6	7	2	3	11	1	1	...	....	...	....	....	2	....	....	713 00
Fem. " " 1.	240	32	....	8	24	....	7	24	1	1	....	1	....	....	1	....	....	....	1,133 00
" " " 2	174	26	...	7	9	2	6	14	1	1	....	1	....	....	....	....	6	11	1,049 75
" " " 3.	195	31	....	10	12	1	7	24	1	1	....	....	....	2	....	....	9	9	1,167 50
" " " 4.	114	14	4	8	10	1	1	10	1	1	....	....	....	....	....	....	6	8	725 00
" " " 6.	118	19	11	7	10	....	....	14	1	1	....	....	....	....	....	....	7	8	1,248 50
" " " 7.	268	37	....	12	28	1	11	31	1	1	....	2	1	1	2	**	2	2	1,369 00
" " " 8.	105	15	...	5	8	1	4	11	1	1	....	1	....	....	....	**	3	3	584 50
Totals, Col'd.....	2885	411	24	130	240	18	82	306	19	16	....	9	3	5	10	14	72	82	$18,459 70

** Included in the male colored department.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book Cases	Small Book Cases.	Blackboards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Annex No. 1.....	114	20	....	4	7	....	4	....	1	..	....	....	....	....	....	....	4	4	$ 511 25
" " 2.....	329	52	....	11	21	....	....	11	1	....	....	....	....	2	....	....	11	18	1,446 25
" " 3.....	297	48	....	12	16	2	....	4	1	....	....	....	1	....	1	....	10	18	1,305 00
" " 4.....	170	25	....	7	7	....	....	9	....	....	....	....	....	....	....	....	4	8	716 75
" " 5.....	117	16	....	5	7	....	....	10	2	....	....	....	....	....	....	....	4	8	501 25
" " 6	158	28	....	7	7	1	....	12	1	..	....	....	....	....	....	....	7	14	840 25
" " 7.....	218	32	....	8	12	2	....	7	1	....	....	....	....	....	....	1	5	8	1,518 00
" " 8	178	26	....	6	9	1	....	6	1	....	....	....	....	....	....	....	7	8	796 75
" " 9.....	130	18	....	6	7	....	....	3	1	....	....	....	....	....	....	....	4	8	571 25
" " 10.....	135	26	....	7	9	....	....	12	2	....	....	....	....	....	....	....	7	9	695 75
" " 11.....	120	20	....	5	5	....	1	10	1	....	....	....	....	....	....	....	5	5	554 00
" " 12	228	27	....	8	18	....	....	15	....	....	....	....	....	....	....	....	6	11	976 50
" " 13.....	130	13	....	5	11	1	5	13	1	....	....	1	....	1	1	....	1	....	638 25
" Col. " 1.....	42	6	....	2	2	....	1	4	1	....	....	....	....	....	....	....	2	2	207 00
" " " 2.....	20	1	....	....	1	....	....	2	....	....	....	....	....	....	....	....	1	....	63 75
" " " 3.....	23	6	....	1	1	....	....	3	1	....	....	....	....	....	....	....	2	2	130 75
Totals, Annex...	2409	364	....	94	140	7	11	121	15	....	....	1	1	3	2	1	80	123	$11,472 75

Inventory of Furniture, Heating Apparatus, &c.
RECAPITULATION.

Schools.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Large Book Cases.	Small Book Cases.	Blackboards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Balto. City College.	573	27	78	16	108	19	1	12	13	1	..	1	....	....	8	4	....	....	$6,409 00
E. F. High School.	331	25	84	24	100	7	....	22	3	....	2	....	....	....	12	4	2	....	4,892 50
W. " " "	328	19	159	15	103	14	7	32	2	1	1	....	....	....	9	5	1	2	4,369 25
Man'l Train. "	256	32	....	5	55	4	....	16	2	1	..	....	....	....	16	....	8	8	1,643 50
Male Gram Schools	3674	561	23	166	314	37	127	344	27	20	.	18	11	10	11	44	88	136	27,342 75
Fem. " "	3709	564	103	153	362	40	125	341	24	17	5	18	15	12	17	14	75	123	24,831 25
Eng.-Ger. "	2465	300	3	89	169	19	51	162	10	10	..	10	1	4	8	14	36	36	14,503 75
Male Primary "	5353	827	34	221	444	38	153	477	33	30	1	22	5	15	19	34	140	216	36,718 75
Fem. " "	5130	788	81	215	473	35	158	456	37	30	..	21	29	12	17	....	144	224	30,314 00
Colored "	2885	411	24	130	240	18	82	306	19	16	..	9	3	5	10	14	72	82	18,459 70
	24,704	3554	589	1034	2368	231	704	2168	170	126	9	99	64	58	127	133	566	827	$169,484 45
Annex Schools....	2409	364	....	94	140	7	11	121	15	...	..	1	1	3	2	1	80	123	11,472 75
Totals.....	27,113	3918	589	1128	2508	238	715	2289	185	126	9	100	65	61	129	134	646	950	$180,957 20

ANNUAL REPORT

— AND —

ACCOMPANYING PAPERS

— OF THE —

PRINCIPAL OF BALTIMORE CITY COLLEGE.

BALTIMORE CITY COLLEGE,

December 31st, 1888.

To the Board of Commissioners of Public Schools.

GENTLEMEN:

The annual report of the City College, which I now present, marks an epoch in its history—the entrance upon the semi-centennial year of its existence—and furnishes an opportune occasion for the statement of some facts in connection with the institution, the knowledge of which may not be devoid of interest to its friends.

The system of public schools in Baltimore went into operation in the year 1829, and in less than ten years thereafter the necessity for the organization of a school in connection with the system, of a higher grade than then existed, was recognized by the Mayor and City Council of Baltimore by the enactment, on

March 7th, 1839, of an ordinance "to establish a High School, in which the higher branches of English and classical literature should be taught." It was in accordance with this action of our City authorities that the Board of Public School Commissioners proceeded to the establishment of the High School, now the Baltimore City College.

The school thus established went into successful operation on the 20th day of October, 1839, from which time to the present it has never failed to meet the most sanguine expectations of its far-seeing, public-spirited projectors, but has always been as it now is, the most potent agent in contributing to the growth and popularity of the public school system of Baltimore City.

Coming into existence at a time when the educational facilities of this City were so circumscribed as to be accessible only to the favored few, the establishment of this school brought to the many of our youth the possibilities of the attainment of the most liberal education.

From its inception, so extended has been its curriculum of studies, so thorough the training afforded to its students, that those of them who, after leaving the City College, have sought advanced courses of instruction elsewhere, have never failed to compare favorably with students from other institutions with whom they have come in contact, with respect to preliminary preparation to insure success.

Nor is this less true of them now than it has been in all the past. The evidence in this direction which I shall here adduce will be confined entirely to the Johns Hopkins University, although equally as satisfactory would that be which could be furnished by other institutions of like grade.

During the thirteen years that have intervened since the establishment in this City of the Johns Hopkins foundation, no inconsiderable number of the City College students, after leaving us, have entered that institution, and without any preparation other than that furnished by the course of studies pursued alike by all of our students, they have been able successfully to compete and, in many cases, to surpass those coming from other institutions, whose *special* object it is to prepare their students to enter the University. A simple statement of the facts in this connection, for which I am indebted to the kindness of President Gilman, of the University, will doubtless be interesting, and I here insert it without comment, as follows:

"Of matriculants from the City College, during the thirteen years of the University, there have been 79; of non-matriculants from the City College pursuing special courses in the University, there have been during the same time, 61; total number of matriculants and non-matriculants, 140.

"Of the students from the City College, who, since 1876, have matriculated into the University, 54 have

graduated as Bachelors of Arts, and of these, 26 received, after graduation, University scholarships; 15 have become Fellows; 4 have proceeded to the degree of Doctor of Philosophy, and 2, Drs. Spieker and Howell, are now filling Associate Professorships in the University."

Not less creditable to the City College and gratifying to its friends would be an exhibit that might here be made of the names of graduates and former students of the College—names that would meet with prompt recognition as belonging to citizens of Baltimore, prominent in every department of mechanical, commercial and professional life; such a list I shall reserve for another occasion.

Allow me, however, in this connection again to suggest some action by the Board looking to the celebration of the semi-centennial anniversary of this institution.

Reference to this matter was made at the last banquet of the "Alumni and Former Students of the College," and I have no doubt that that association will willingly co-operate in such a celebration.

The exercises of the thirty-eighth commencement of the City College were held at Ford's Grand Opera House on the evening of June 26th, 1888, and were, as usual, of an interesting character.

The order of these exercises was as follows:

MUSIC.

Prayer, by Rev. Dr. Whisner.

MUSIC.

Salutatory Address, *Liberty and License*, Robt. M. Price.

MUSIC.

Honorary Oration, *A Model Curriculum*, Abraham Cohen.

MUSIC.

Valedictory, Wm. F. Gallaway.

MUSIC.

Address to Graduates, John P. Poe, Esq.

MUSIC.

Distribution of Certificates, by Mayor Latrobe.

Presentation of the Shakespearian Prize to Mr. Edward E. Singer, by Mayor Latrobe.

MUSIC.

Distribution of Peabody Prizes, by Dr. Uhler of the Peabody Institute.

MUSIC.

Benediction, by Rev. Dr. Whisner.

At the beginning of the scholastic year, our fall roll of students was as follows:

Pupils who returned after their summer vacation..	220
" " entered from Grammar schools.... ...	167
" " " " English-German schools..	5
" " " " private schools.....	18
Total number.....	410

A comparison of this table with the corresponding one of the previous year, will show that while there was a falling off of fifty-seven in the number of those entering from the Grammar and English-German schools jointly, there was an excess of forty-eight in 1888 over the number of former pupils that returned in 1887, an excess of eight from private schools in 1888 over the number that entered in 1887, and an increase in the aggregate number of 1888 over that of 1887, of five.

The present arrangement of our several classes is such as to give as much time as possible to their instruction, and we have reason to hope for satisfactory results in this direction. The discipline of the College is entirely satisfactory; indeed, at no period in its existence has it been more so than during the past year.

Both in respect to scholarship and general discipline, I venture the assertion that there is no school of like grade anywhere that surpasses it.

The action of the Board in giving to our students the full time of Prof. Preece, I have no doubt, will be beneficial to them.

A visit during last fall to the Washington High school, and an inspection of the methods in operation in that institution, for the physical training of its students, has impressed me favorably with the utility of such training, and led me to hope for such action by the Board as will result at no distant period in the introduction into the City College of similar means of physical exercise.

I must again call attention to the necessity, that yet exists, for the frescoing of several of the walls of the College building, and hope that it may soon be attended to.

To my colleagues I here extend my thanks for their continued co-operation, as also to the Committee on the College, for their support in matters relating to our common charge.

Respectfully,

WM. ELLIOTT, JR.,
Principal.

Committee on Baltimore City College.

THOMAS S. BAER, Chairman.

JOHN T. FOLEY,

JAMES BOSLEY, M. D.,

NELSON BAKER,

JOHN T. MORRIS, *ex-officio.*

HENRY A. WISE, Sup't, *ex-officio.*

FACULTY OF BALTIMORE CITY COLLEGE.

WILLIAM ELLIOTT, Jr., A. M., Ph. D., Principal.
Professor of Higher Mathematics.

A. L. MILLES, B. A.,
Professor of the French Language and Adjunct Professor of Latin.

CHARLES F. RADDATZ,
Professor of the German Language.

POWHATAN CLARKE, M. D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of History and English Literature.

RICHARD W. PREECE,
Professor of Drawing.

F. A. SOPER, A. M.,
Professor of Mathematics and Astronomy.

A. Z. HARTMAN, A. M.,
Professor of Latin and Greek.

ALEXANDER HAMILTON,
Adjunct Professor of English and Mathematics.

J. N. HANK, A. M.,
Professor of Latin and Greek.

JOSEPH H. ELLIOTT,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Adjunct Professor of Mathematics and Latin.

G. EMORY MORGAN, A. M.,
Adjunct Professor of English Literature and Latin.

PHILIP H. FRIESE,
Adjunct Professor of Natural Sciences and English.

GRADUATES.

Base, Daniel
Bell, Wm. Jarvis
Butler, Robert Lee
Coale, Carey
Cohen, Abraham
Fincke, Fred'k Henry
Gallaway, Wm. Francis
Hamilton, Edgar
Howard, Charles McHenry
Leeke, Harry L.
Levy, Wm. B.
Miller, Frederick Wm.
Price, Robert W.
Rawlings, Joshua S.
Singer, Edward E.
Stevens, Daniel G.
Sudler, Emory
Tressell, Walter E.
Watts, Sewell S.

PEABODY PRIZES.

OF THE FIRST GRADE—One Hundred Dollars each.

Cohen, Abraham
Gallaway, Wm. Francis
Watts, Sewell S.

OF THE SECOND GRADE—Fifty Dollars each.

Base, Daniel
Howard, Charles McHenry
Fincke, Fred'k Henry
Leeke, Harry L.

CURRICULUM

OF

Baltimore City College.

FIRST YEAR.

History of United States,
History of England, commenced,
Writing,
Composition,
Drawing,
English Literature,
Latin, commenced,
Book-keeping, commenced,
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping, concluded,
Natural Philosophy,
Drawing,
Latin, continued,
German, commenced,
Geometry, continued,
Plane Trigonometry,
History of United States, concluded,
Mensuration.

THIRD YEAR.

Rhetoric, Composition and Elocution,
History of English Literature,
Natural Philosophy (full course),
Drawing,
Latin, continued,
History of Rome,
German, continued,
Greek, continued (optional),
French, commenced,
Trigonometry and Applications.

FOURTH YEAR.

English Literature,
Constitution of the United States,
Chemistry.
Latin, continued,
Greek, continued,
French, continued,
German, continued,
Drawing,
Analytical Geometry,
Astronomy,
History of Greece,
Composition.

FIFTH YEAR.

Latin, continued,
Greek, continued,
Calculus,
English Literature, continued,
Logic,
Mental and Moral Philosophy,
French, continued,
German, continued,
Chemistry, continued,
Astronomy, continued,
Drawing,
Review of Mathematics.

RECITATIONS

— OF —

BALTIMORE CITY COLLEGE.

96th and 97th Terms.

I. RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

PROF. ELLIOTT—Calculus, 6 times; Analytical Geometry, 8 times; Review, 2 times; Preparation, 2 times..... 18

PROF. MILLES—Latin, 9 times; French, 11 times; Preparation, 3 times.... 23

PROF. RADDATZ—German, 19 times; English History, 4 times; Preparation, once..... 24

PROF. CLARKE—Natural Philosophy, 9 times; Chemistry, 12 times; Preparation, 2 times..... 23

PROF. WIGHT—English, 18 times; Rhetoric, 3 times; Preparation, once; Composition, 2 times..... 24

PROF. PREECE—Drawing, 21 times; Preparation, 2 times..... 23

PROF. SOPER—Plane and Spherical Trigonometry, 4 times; Astronomy, 4 times; Sur. and Nav. 4 times; Geometry, 12 times..... 24

PROF. HARTMAN—Greek, 8 times; Latin, 16 times..... 24

PROF. HAMILTON—Composition, 2 times; Algebra, 16 times; Preparation, 2 times; History of England, 4 times..... 24

PROF. HANK—Latin, 9 times; Composition, 4 times; Greek, 5 times; Mental Philosophy, 4 times; History of Rome, 2 times..... 24

PROF. J. H. ELLIOTT—Book-keeping, 20 times; Preparation, 4 times..... 24

PROF. NORRIS—Latin, 10 times; Algebra, 4 times; History U. S., 5 times; History England, 2 times; Composition, 4 times..... 25

PROF. MORGAN—Latin, 10 times; English Literature, 10 times; History of England, 4 times..... 24

PROF. FRIESE—Composition, 4 times; Natural Philosophy, 10 times; English History, 2 times; History of U. S., 8 times..... 24

RECITATIONS

— OF —

BALTIMORE CITY COLLEGE.

96th and 97th Terms.

II. RECITATIONS MADE EACH WEEK BY THE RESPECTIVE CLASSES.

J Class—(1st Division) Greek, 4 times; Latin, 4 times; English, 3 times; French, 2 times; German, 2 times; Calculus, 3 times; Review of Mathematics, once; Astronomy, once; Chemistry, 3 times; Preparation, once; Drawing, once. (2d Division)—Mental Philosophy, 4 times..... 25

I Class—Greek, 3 times; Latin, 4 times; English, 3 times; German, 2 times; French, 2 times; Analytical Geometry, 4 times; Astronomy, once; Chemistry, 3 times; Preparation, 2 times; Drawing, once..... 25

H Class—Latin, 4 times; Greek, 4 times; Trigonometry, 4 times; French, 3 times; German, 2 times; Natural Philosophy, 3 times; Rhetoric, 3 times; Preparation, 2 times..... 25

B_1 Class—Latin, 4 times; Geometry, 4 times; Natural Philosophy, 2 times; History U. S., once; English History, 2 times; English Literature, 2 times; Book-keeping, 2 times; Composition, once; Drawing, 2 times; Preparatory, 2 times; German, 3 times..... 25

B_2 Same as B_1..... 25

B_3 " " B_1..... 25

A_1 Class—Latin, 5 times; Algebra, 4 times; Natural Philosophy, 2 times; History U. S., 2 times; History England, 2 times; English Literature, 2 times; Book-keeping, 2 times; Composition, 2 times; Drawing, 2 times; Preparation, 2 times..... 25

A_2 Class—Same as A_1..... 25

A_3 " " " 25

A_4 " " " 25

A_5 " " " 25

REPORT

—OF THE—

Principal of the Eastern Female High School.

EASTERN FEMALE HIGH SCHOOL.

BALTIMORE, December 31, 1888.

Commissioners of Public Schools.

GENTLEMEN :—The report of this school for the year ending with the above-mentioned date is herewith submitted.

Number of pupils on roll December 31, 1887	300
Number admitted by permit during the year	5
Number admitted by transfer during the year	2
Number admitted by promotion from schools of lower grade	116
Total number in school during the year	423
Number of pupils graduated in 1888	51
Number withdrawn during the year	83
Number transferred to other schools during the year	3
Number now on roll	286
Percentage of attendance	92

In reviewing the work of the year, there is satisfactory evidence that progress has been made. The instruction has been by methods best calculated to train the mind, and the subjects pursued such as lead to knowledge of our own tongue, together with the mathematical training necessary to the pursuits of life. As a rule, the pupils have been attentive and studious, and have made good use of their opportunities.

What the school has done in the past is best known by the character and standing of the women it has sent into the community. Its graduates are in all the vocations allowed to women, and in many of the homes of our city. We believe that the community is better for their presence and example, and we do not hesitate to say, that the most economic expenditure of the city's money is the expenditure for the education of the girls.

In former reports I have alluded to the need of physical training in girls' schools; as no steps have, as yet, been taken in the direction of such training, I again call attention to the subject.

Our library of reference, though small, has been used with profit by teachers and pupils. In supplementing the work of the text-book and as a means of showing pupils where and how to find information, it has been particularly valuable. We thank the Board for books and maps received during the year.

The exercises of the thirty-sixth annual commencement of the school were held in Ford's Grand Opera

House, on the evening of June 27th. Fifty-one young ladies graduated, receiving their diplomas at the hands of the Mayor of the City, Hon. Ferdinand C. Latrobe. In the absence of Hon. J. Morrison Harris, Hon. John B. Wentz, Chairman of the Committee on High Schools, delivered the address to graduates. It was able and earnest, and was highly appreciated.

In conclusion, I extend to my assistants for their generous support and cordial co-operation, my acknowledgements; I would also express my high appreciation of the fostering care with which the Committee on High Schools has guarded the interests of the school.

Respectfully,

WM. F. WARDENBURG,

Principal.

Committee on the Female High Schools.

JOHN B. WENTZ,

CALVIN J. KING,

E. JONES WILLIAMS, M. D.,

J. J. FENTON,

WM. H. B. FUSSELBAUGH, OF J,

JOHN M. JONES,

JOHN T. MORRIS, PRES'T *ex-officio.*

HENRY A. WISE, SUP'T.

FACULTY OF EASTERN FEMALE HIGH SCHOOL.

WILLIAM F. WARDENBURG,
Astronomy, Mental Philosophy, Algebra, Book-keeping.

ELIZABETH A. BAER,
Rhetoric, Elocution, Composition.

PHEBE J. TOMPKINS,
Algebra, Arithmetic, Composition.

SARAH L. BASSFORD,
History, Composition, Etymology.

MARY C. GEDDES,
Algebra, Geometry, Composition.

LAURA V. De VALIN,
Physiology, English Literature, Composition.

ELIZA E. NICOLAI,
Natural Philosophy, Composition, Algebra.

VIRGINIA WENTZ,
Composition, Literature, Etymology.

MATILDA M. MULLIN,
Drawing.

LEONORA E. CARPENTER,
Algebra, History, Composition.

J. HARRY DEEMS,
Vocal Music.

FANNIE A. CASPARI,
German.

CHARLES L. COPINGER,
French.

GRADUATES.

Barnes, Annie P.
Bell, Jessie S.
Bridge, Lizzie
Bromwell, Julia Annette
Brown, Mary G.
Bye, E. Roberta
Coggins, Miriam Edith
Coleman, Ella M.
Coleman, Minerva V.
Cornelius, Anna Newton
Craig, Laura
Cruett, May I.
Dannenberg, Bertha
Daugherty, Julia B.
De Katow, Leonie
Diggs, Roberta E.
Eiseman, Emma
Emrich, Emilie E.
Erdman, Rose
Feig, Mary Loretto
Fischer, Elizabeth
Frankel, Pauline
Gilpatrick, Rachel
Halbert, M. Florence
Hill, Carrie B.
Hogurty, Zoa E.
Hooper, Nellie S.
Kenly, Kate M.
Knapp, Flora M.
Konigsberger, Florence
Kraft, Anna L.
Levin, Rose Cary
Marchant, Annie P.
Marchant, Ida E.
Newton, Ridie M.
Oliver, Marion
Powell, Mary E.
Pridham, S. Nellie
Prime, Sallie
Riehl, Clara R.
Roney, Mary E. V.
Schunk, Barbara
Search, Maggie M.
Sickel, Lizzie
Stromberg, Mamie
Stromenger, M. Emma
Sweany, Grace Whitridge
Theil, Elizabeth V.
Turnt, Mary A.
Underwood, Alice G.
Zeigler, Emma V.

RECIPIENTS OF PEABODY MEDALS.

FIRST GRADE.

Mary E. Powell,
Emilie E. Emrich,
Barbara Schunk,
Mamie Stromberg,
Emma Eiseman.

SECOND GRADE.

Mary A. Turnt,
Leonie De Katow,
Nellie S. Hooper,
Sallie Prime,
Annie P. Barnes,
Lizzie Sickel,
Pauline Frankel.
Mary Loretto Feig,
E. Roberta Bye,
Rachel Gilpatrick,

ADDITIONAL NUMBER RECEIVING TICKETS TO LECTURES AT PEABODY INSTITUTE.

Bertha Dannenberg,
Elizabeth V. Theil,
Maggie M. Search,
Grace Whitridge Sweany,
Marion Oliver,
Annie P. Marchant,
Jessie S. Bell.
Ella M. Coleman,
May I. Cruett,
Anna Newton Cornelius,

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

K. AND L.—Mental Philosophy, 3; Book-keeping, 2; History, 2; English Literature, 2; Grammar, 1; Elocution, 2; Arithmetic, 2; Drawing, 2; French, 2; Music, 2; Composition, 2; Astronomy, 2; German, 1.—25.

I.—Natural Philosophy, 2; English Literature, 2; Rhetoric, 2; Elocution, 1; Algebra, 3; History 2; Geometry, 3; Mensuration, 1; Drawing, 2; French, 2; Music, 2; Composition, 1; German, 2.—25.

F. G. AND H.—Algebra, 3; Arithmetic, 2; Composition, 1; Drawing, 2; Elocution, 1; French, 2; Geometry, 2; German, 2; History, 2; Literature, 2; Natural Philosophy, 2; Rhetoric, 2; Vocal Music, 2.—25.

A. B. C. AND D.—Etymology, 3; Literature, 2; Elocution, 1; Algebra, 4; Arithmetic, 2; Natural Philosophy, 2; Drawing, 2; Music, 2; Composition, 2; History, 2; Physiology, 2; German, 1.—25.

COURSE OF STUDY

—IN THE—

FEMALE HIGH SCHOOLS.

FIRST YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Etymology,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry and Mens.
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

THIRD YEAR.

Algebra,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

FOURTH YEAR.

Arithmetic,
Astronomy,
Book-keeping,
Composition,
Drawing,
Elocution,
French,
German,
Grammar,
History,
Literature,
Mental Philosophy,
Vocal Music.

REPORT

—OF THE—

Principal of the Western Female High School.

WESTERN FEMALE HIGH SCHOOL.

BALTIMORE, December 31, 1888.

Commissioners of Public Schools.

GENTLEMEN:—In presenting my annual report of this institution for the year ending December 31, 1888, it affords me great pleasure to state that its condition has been generally satisfactory. The pupils now in attendance are diligent, appreciative and happy in their school relations. A larger number than usual of the pupils who ought, under ordinary circumstances, to be comprised in the present second year class, withdrew after the summer vacation. Those who entered the school with the purpose and prospect of remaining through the entire course have displayed commendable zeal and application in their studies, and are advancing both in knowledge and discrimination. The formation of character receives as much consideration as the

acquisition of knowledge. Along with the relations of quantity in mathematics and the laws of nature in physics, there is furnished in the departments of literature and history the material which affords an insight into the thoughts, motives and deeds of men, and opportunity is sought correctly to interpret them.

The examining of the work of the candidates from the grammar schools was done by their own principals. A printed list of names received from the Secretary of the Board showed that there were 252 entitled to admission to this school. Of this number 54 failed to enter. Seven others were admitted from F. G. schools Nos. 9, 11 and 20.

The following table will show the numerical changes in the different classes :

Grammar school pupils entitled to admission September, 1887..... 271
Grammar school pupils admitted September, 1887. 220
Number of these now in attendance..... 128

	4th yr.	3d yr.	2d yr.	1st yr.
On roll December, 1887	68	134	..	211—413
On roll June, 1888	66	93	..	170—329
Graduated June, 1888	..	..	..	...— 66
On roll September, 1888	64	27	106	227—424
On roll December, 1888	64	27	101	216—408

Average number of pupils on roll during the year. 391
Average attendance of pupils during the year.... 363
Percentage of attendance..... 92.8

The majority of the present third year class consists of those who voluntarily declined the final examination for promotion, choosing rather to review their studies in order to graduate with increased proficiency.

The commencement exercises, held in Ford's Grand Opera House, on the night of June 28th, were of an unusually interesting character. The occasion will long be remembered by the twenty-five hundred friends who listened admiringly to the Salutatory of Miss Florence Ward, the Honorary of Miss Mattie Ford, and the Valedictory of Miss Henrietta Wilmer. The address of John M. Carter, Esq., was marked by delicacy of sentiment and purity of thought. Sixty-six graduates received their diplomas from his Honor the Mayor, Ferdinand C. Latrobe, who accompanied their presentation with complimentary remarks and wholesome advice.

I desire in conclusion to return thanks to the Committee on Female High Schools for their unvarying kindness, and to acknowledge my indebtedness to my associates for their co-operation in maintaining a high standard of intelligence and morality in the school.

ANDREW S. KERR,

Principal.

Committee on the Female High Schools.

JOHN B. WENTZ,

CALVIN J. KING,

E. JONES WILLIAMS, M. D.,

JOHN J. FENTON,

WM. H. B. FUSSELBAUGH, OF J.

JOHN M. JONES,

JOHN T. MORRIS, PRES'T *ex-officio.*

HENRY A. WISE, SUP'T.

FACULTY OF WESTERN FEMALE HIGH SCHOOL.

ANDREW S. KERR, PRINCIPAL,
Mental Philosophy, Natural Philosophy, Arithmetic.

PAMELA A. HARTMAN,
English Literature, Composition.

SARA S. RICE,
Elocution, Rhetoric, Grammar, Composition.

JANE S. WILLIAMS,
Astronomy, Rhetoric, Algebra, Composition.

EMMA COWMAN,
Natural Philosophy, Literature, Physiology, Etymology, Composition.

HENRIETTA C. ADAMS,
History, Composition.

LOUISA C. SAUMENIG,
Geometry, Book-keeping, Literature, Etymology.

ANNA P. TUDOR,
Arithmetic, Composition.

LAURA D. BRIAN,
History, Algebra, Natural Philosophy, Composition.

ANNIE O. SOLLERS,
History, Etymology, Natural Philosophy, Literature, Composition.

MARY H. THOMIZ,
Arithmetic, Physiology, Literature, Composition, Etymology.

BESSIE G. THOMSON,
Algebra, Elocution, Drawing, Composition, Literature.

ELIZA J. DAVIS,
Drawing.

CHARLES L. COPINGER,
French.

FANNIE A. CASPARI,
German.

JOHN G. WEHAGE,
Vocal Music.

GRADUATES.

Adams, Fannie G.
Appier, Bertie
Bantz, Blanche W.
Benjamin, M. Maud
Beveridge, Edna A.
Border, Annette
Chapman, Bertha L.
Clarkson, Emma C.
Cobb, Lizzie
Cooper, May C.
Craigen, Lillian R.
Davies, Ellen R.
Ford, Mattie J.
Forsyth, S. Lizzie
Frame, Mary L.
Frost, Bessie H.
Gary, Eugie V.
Gillespie, Alice
Griffith, Dollie W.
Grumbine, Iola
Guggenheimer, Julia
Harrison, Charlotte
Heubeck, Annie
Hoffman, Emily J.
Houseman, Edith
Ijams, Maud
Jacobs, Mary E.
Jones, Mary G.
Kammerer, Lulie R.
Kelley, Katie E.
Lamping, Frances
Lewis, Florence T.
Mallalieu, Florence M.
Maloy, Ada M.
Mathews, Mary Ellen
McLean, Susie
Meikle, Bessie E.
Mehlgarten, Lillie L.
Minifie, Mary
Nolen, Kate
Patton, Annie A.
Pearson, Malvina B.
Plitt, Ella A.
Plummer, Helen L.
Riach, Rebecca F.
Richards, Leah S.
Rittenhouse, Ethel R.
Robinson, Jessie
Robinson, Leonora
Robinson, Willie
Roes, Ottillia
Rosenfeld, Ida
Schad, Helen M.
Smith, Jennie B.
Smith, Julia
Snell, Fannie L.
Strott, Liseta
Todd, Mary
Ward, J. Florence
Warfield, Bertha
Watkins, Florence M.
Waxter, Nellie E.
Williams, Annie W.
Wilson, Roberta W.
Winterson, Grace T.
Wilmer, Henrietta M.

RECIPIENTS OF PEABODY MEDALS.

FIRST GRADE.

Charlotte Harrison,
Annie Heubeck,
Ada May Maloy,
Lulie R. Kammerer,
Frances Lamping.

SECOND GRADE.

Eugie V. Gary,
M. Maud Benjamin,
Katie E. Kelley,
Fannie Lee Snell,
Mary Todd,
Mary L. Frame,
Bertha Warfield.
Fannie G. Adams,
Malvina B. Pearson,
Edith Houseman,

Additional Number Receiving Tickets to Lectures at Peabody Institute.

Nellie E. Waxter,
Mary Ellen Mathews,
Lillian R. Craigen,
Helen L. Plummer,
Ethel R. Rittenhouse,
Lizzie Cobb,
Emma C. Clarkson.
Ida Rosenfeld,
Florence T. Lewis,
Annie W. Williams,

Class Recitations.

RECITATIONS MADE EACH WEEK BY THE DIFFERENT CLASSES.

M[1], M[2] and M[3] Classes.—Mental Philosophy, 3; Astronomy, 2; Book-keeping, 2; Arithmetic, 2; English Literature, 2; History, 2; Composition, 2; Grammar, 1; Elocution, 2; Drawing, 2; French, 2; German, 1; Music, 2.

L Class.—Arithmetic, 1; Algebra, 2; Geometry, 3; Mensuration, 1; Natural Philosophy, 2; Literature, 2; Rhetoric, 2; History, 2; Composition, 1; Elocution, 1; Drawing, 2; French, 2; German, 2; Music, 2.

I, H and G Classes.—Arithmetic, 2; Algebra, 2; Geometry, 2; History, 2; Literature, 2; Composition, 1; Natural Philosophy, 2; Physiology, 1; Rhetoric, 2; Elocution, 1; French, 1; German, 2; Drawing, 2; Music, 2; Preparation, 1.

F, E, D, C, B, A Classes.—Arithmetic, 3; Algebra, 2; Natural Philosophy, 2; Physiology, 2; History, 3; Literature, 2; Etymology, 2; Composition, 2; Elocution, 1; German, 1; Drawing, 2; Music, 2; Preparation, 1.

COURSE OF STUDY

— IN THE —

FEMALE HIGH SCHOOLS.

FIRST YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
Etymology,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Rhetoric,
Vocal Music.

THIRD YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry and Mens.,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

FOURTH YEAR.

Arithmetic,
Astronomy,
Book-keeping,
Composition,
Drawing,
Elocution,
French,
German.
Grammar,
History,
Literature,
Mental Philosophy,
Vocal Music.

REPORT

— OF THE —

Principal of Baltimore Manual Training School.

MANUAL TRAINING SCHOOL,

BALTIMORE, December 31st, 1888.

GENTLEMEN:

In compliance with the regulations for the government of the Manual Training School, I have the honor to submit the fifth annual report of its condition and needs.

The progress of the students during the past year has been satisfactory.

At the close of the last year there were 273 students on roll, since which time 109 have been admitted by transfer and 230 by permit, making the total number in the school during the year 612, of whom 24 were graduated and 78 withdrawn from the school, leaving on roll at this time 510. Of this number 36 are in the senior class, 38 in the second year class, 271 in the first year classes and 165 in the preparatory classes.

Twenty-one of the young men who have graduated

from the school have enrolled themselves in the class of mechanical engineering, which was authorized by the Board at its last meeting in June of this year.

The second annual commencement exercises of this school were held in Ford's Grand Opera House, on the night of June 25th, in the presence of a large and appreciative audience. Twenty-four graduates received their diplomas from the hands of the Mayor, Hon. F. C. Latrobe.

The addresses usual on such occasions were delivered by Hon. F. C. Latrobe, Hon. John B. Wentz, Hon. W. H. Legg, of Queen Anne's County, and Hon. John L. Thomas.

The young gentlemen had on the stage a 6x8 inch cylinder steam engine as their graduation work in the mechanic's art.

Of the twenty-four young men who graduated on this occasion, nearly all are engaged in mechanical or kindred pursuits, or are teaching in this or in similar schools.

Wood-carving has been added to the course in shop work; otherwise the course as laid down in the catalogue of the school has been strictly adhered to, and the results are gratifying.

The members of the senior class are pursuing their studies in algebra, mensuration, trigonometry, book-keeping, physics, English literature, chemistry, gen-

eral history, political economy, geology, and science of government, having recitations or lectures for three hours on each school day, practice for one hour each day in mechanical drawing, and two hours each day in machine shop. Each pupil has made a set of machinist's bench tools, and the clais are now making a 4x6 inch cylinder steam engine, a valve motion machine, a steam or water motor, a spectroscope, and an electric motor—from their own drawings and patterns—for experimental use in the physical laboratory.

The members of the second year class are pursuing their studies in arithmetic, algebra, geometry, geography, physics, physiology, history, English language and composition, having recitations or lectures for three hours on each school day, and one hour per day in pattern making, or chipping and filing in the shops. In addition to the regular class work these young gentlemen are fitting up five pattern makers' lathes for use in the wood turning shop.

The members of the first year classes are pursuing their studies in arithmetic, algebra, geometry, English language, geography, U. S. history and physics, having recitations for three hours on each school day, with one hour for instruction in geometrical drawing and two hours for instruction and practice in carpentry, wood-turning, or blacksmith work.

The members of the preparatory classes have studies in spelling, reading, writing, English language, arith-

metic, algebra, geography, U. S. history, physiology, and elementary geometry and science, with recitations for four hours and twenty minutes each day, instruction and practice in free hand drawing for forty minutes, and one hour for practice in carpentry, wood-carving or sheet metal work. In addition to the regular lessons in shop work, these young gentlemen are making a "Hero's Fountain" on a large scale for use in the laboratory.

The preparatory department was authorized by the Board in September, 1887, practically to determine whether the introduction of manual training into the lower grades in the schools would necessitate a reduction of the present standards, or materially interfere with the present schedule of studies; and if so, to what extent?

My experience is that it would not; on the contrary, the intelligent use of drawing and tools tends to broaden the mind of the average boy to such a degree that he can do more and better intellectual work than he could before he was acquainted with these adjuncts to a broad education. We have so many demonstrations of this fact, so much testimony from parents and others who have charge of and are otherwise interested in the progress and future of these boys, that it sounds almost absurd when contrary statements are made.

The steam engine which was built by the members of the graduating class of 1887, has been in daily ope-

ration since September of that year. It does the full work of driving all machinery connected with the school, it is noiseless in its operation, and it has never been stopped for adjustment or repairs.

Owing to the increased number of students this year, the machine shop has been enlarged one half; an additional drawing room has been arranged and fitted up on the fourth floor; four recitation rooms have been arranged on the same floor; the desks in the assembly room have been re-arranged, and their number added to in order to accommodate the greatest number of students possible; a building fifty by fifty feet on the opposite side of Courtland street has been rented and fitted up for wood working shops (the boys having made their own benches); and the first floor of the house adjoining the school has been arranged for a sheet metal working shop.

Every department of the school has been added to as its importance demanded, and as funds would permit; but much is still needed in every direction.

Gas has been introduced into all the rooms of the building proper, with a view to the early establishment of a night school for manual training.

Interesting Saturday visits of inspection to large shops and establishments have been made, and the boys have gained a large experience and much valuable information from them.

Last winter a course of popular scientific lectures was inaugurated; these lectures were delivered by prominent gentlemen of the city, for the benefit of the students and their friends, and were largely attended and highly appreciated. The course for this winter will begin scon after the holidays.

Steam heaters should be placed on the stairway landings and in the rooms on the fourth floor, to replace the stoves now in use.

The steam boiler has been in use for about four years and is now too small to do the work of heating the entire building and driving the machinery. I therefore recommend that an additional boiler be procured for the use of the engine, and the present boiler be retained for the purpose of heating the building.

The chimneys should be increased in height, cleaned, lined with metal and arranged as ventilators for the class rooms. This can be done at small cost.

More room is now needed for the school, as we have no room in which to set up the printing office. Wood-carving has to be taught in one of the carpenter shops where the benches are not suited to this work; the pattern making, forge and sheet metal shops are entirely too small for the number of boys that we now have to work in them. There are no extra rooms that can be fitted up for classes as new boys come to the school; the yards have been encroached upon with

moulding shop, boiler house, lumber shed, wood and coal sheds and necessary outhouses until nothing more can be done in that direction. The school is a growing one, and it is now overcrowded. This state of things is growing worse every day and relief should be afforded at once.

The buildings upon the lots recently purchased for use of the school are not suited to its needs; the walls and floors are old and weak, each floor being divided up into rooms and passageways that are too small for class work; there appears to be no remedy but to clear them away and erect a suitable building for the use of the school.

The school is exerting a great influence throughout the world in the cause of practical education. Its course of instruction and methods have been adopted in many similar schools. We have frequent calls for its course of study, its printed matter, and for its graduates to give instruction in similar institutions. And as it was the first free public school to give practical training, so it is to-day, the only absolutely free public school of the kind in the world. The United States Bureau of Education recently wrote of the school, "The value of your experiment *is by no means* confined to your own community, but has been a quickening impulse in many cities and towns all over the union."

I wish to express my thanks to all the instructors for their co-operation and untiring efforts to improve the

classes under their care and thereby ensure the success of the school.

In closing I can only express my grateful thanks to the Committee on Manual Training for the active interest taken in our welfare, and I wish to extend to the officers and members of the School Board my thanks for their uniform courtesy.

Very respectfully,

JOHN D. FORD,

Engineer Corps, U. S. N., Principal.

To the Board of Public School Commissioners,
Baltimore, Md.

Grades for Primary Schools.

(September 1885.—Amended November, 1886).

FIRST GRADE. FIRST YEAR.

READING.—First Half Year.—Use objects or pictures, blackboard, slates and reading chart. From the beginning lead the pupils to associate words with the things, qualities, or actions of which they are the representatives. First present the object to their attention and then the word that names it. After a few simple words have been learned in this way combine each object-word with other simple words to form sentences which the pupils are to be taught to read. Continue this exercise with a series of simple object-words. In all new sentences present repetitions of word forms previously learned and introduce new words gradually. Teach writing from the first, beginning with the small letters of the simplest forms, as wholes, and afterward combining the letters to form simple words. Give much repetition in new combinations of letters previously learned. Use the reading chart after the written forms of a few words have been thoroughly taught. Begin with written instead of printed words.

Second Half Year.—American Educational Reader No. 1. Supplementary reading to repeat word-forms in new sentences. Continue to practice writing words and sentences, and reading them. In this and all subsequent reading work, take special care to see that the thought to be expressed is in the mind of the pupil before requiring him to read aloud. Insist upon a distinct and audible utterance, and correct pronunciation. Pupils must not be permitted to acquire the habit of drawling or reading disjunctively. Teach them to see whole phrases and to speak them as wholes. The articles *a*, *an* and *the*, and the unemphasized little words *in* and *to*, etc., should be pronounced as unemphasized prefixes. For example, *a float*, *a boat*, should be spoken as single words, like *afloat*, *about*, etc. never allow the too common fault of hesitating in learning to read. Make the pupils familiar with the matter of each reading lesson by conversation and explanation, so as to lead them to read it at sight. To this end the new words of each lesson should be written on the blackboard and fully explained. The pupils should also be required to copy them into sentences before allowing them to read the lesson. Oral spelling from the reading lesson.

ARITHMETIC.—First Half Year.—Teach numbers from one to twenty. Second Half Year.—Teach to one hundred. Develop the *idea* of number, as wholes, with objects, numeral frame, marks, etc. While doing this do not at first permit the pupils to *count* unless the objects to be counted are actually present. Treat each number above 1 with all possible combinations of the preceding numbers to produce it by adding, and with its separations by subtracting them from it.

First. With objects, numeral frame, marks, etc., without figures.
Second. With objects and figures.
Third. Mentally with abstract numbers.
Fourth. With simple practical examples.

Train the pupils to recognize the number at sight without conscious effort at counting, as they recognize the words, day, man, etc. Encourage the children to talk, but require their answers to be full and complete sentences.

Miscellaneous examples for rapid solution by adding and subtracting.

SLATE WORK.—First Half Year. Addition, the result to be no greater than 20; second half year, no greater than 100. Teach coins from one cent to twenty inclusive; pint, quart, inch.

LANGUAGE.—Purpose: to accustom pupils to express what they know in correct forms of speech.

Oral exercises from objects and pictures connected with the reading and observation lessons, including the lessons in numbers and whatever the ingenuity of the teacher may suggest.

PENMANSHIP.—Begin with the thirteen small letters, combining them into short easy words. Be careful that the copies set are in good writing. After the pupils are able to write fairly well, exercise them in copying easy sentences. Require them to read what they have written. The idea of form and symmetry is to be required at this point, rather than the making of nice lines. The copying of printed forms from books as an exercise must not be allowed.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SECOND GRADE. SECOND YEAR.

READING AND SPELLING.—American Educational Reader No. 2. Supplementary reading. Exercises in articulation and pronunciation. Written and oral spelling from the reading lessons. A few short pieces of suitable poetry carefully learned and frequently recited. Require the pupils to write the words

before spelling them orally by letters. Accustom pupils in written spelling to recognize all the characters in the word forms, such as the *apostrophe*, etc. Require them to memorize the alphabet as an acquisition for future use. Observe directions in previous grade.

ARITHMETIC.—Combinations and separations of numbers to one thousand.

Adding, subtracting and multiplying—

First. Without figures.

Second. With figures, using no amounts or minuends greater than one thousand or multipliers greater than nine. Roman numerals to C.

Coins continued. Pint, quart, gallon. Pint, quart, peck and bushel. Hour, day, week, month and year. Dozen. Inch, foot and yard. Ounce and pound.

SLATE WORK. Write and read numbers containing six figures. Addition, subtraction, and multiplication with not more than three figures as a multiplier.

Simple practical problems.

Teach well the multiplication table through 9x12. Illustrate the construction of the table with objects, the numeral frame, etc. Give oral drills in rapid combinations of numbers.

LANGUAGE.—Work of first grade continued. Short stories told or read to the pupils, and reproduced by them orally. Pupils to give expression to thoughts suggested by objects and pictures or by observation lessons.

PENMANSHIP.—First Half Year.—Review the writing of the small letters, and teach the writing of all the capitals and all the marks of punctuation. Give daily practice in writing words and sentences taught in the language and reading lessons. Give exercises in writing from dictation and transforming printed language into script. Accept no careless work.

Second Half Year.—Practice in movements of the arm, hand, and fingers with the lead pencil or pen held correctly, using suitably ruled copy-books for such work.

First. Copying from the blackboard or from slips.

Second. Writing selections in script from the reading book.

Third. Words, phrases, sentences, and short stories from dictation.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

THIRD GRADE. THIRD YEAR.

READING.—American Educational Reader No. 3. Exercises in articulation and pronunciation. Written and oral spelling selected from the first thirty-four lessons of the American Educational Reader No. 3, and lessons Nos. 36, 38,

41, 43, 45, 47, 50, 52, 54, 56, 57, 60, 64, 67, 70, 72, 74 and 76. A few appropriate selections of poetry carefully read, learned and frequently recited. Observe directions in previous grades.

ARITHMETIC —The text book in this grade is to be used for *reading* and *thinking* as well as for drill work.

Writing and reading integers to and including millions. Miscellaneous exercises in addition, subtraction, multiplication and division of integers. In long division, the divisor not to exceed four figures.

Multiplication table reviewed and continued through 12x12. Roman numerals to M, and ordinal numbers as needed in connection with the reading and other lessons.

Coins previously studied and paper currency. Second, minute, hour, day, week, month and year. Time of day by the clock. Units of dry and liquid measure previously studied, thoroughly reviewed. In this grade the ground rules—addition, subtraction, multiplication and division—thoroughly reviewed; collateral practice with exercises for rapid execution—adding columns of figures, etc.

PENMANSHIP.—Practice in movements of the arm, hand and fingers with the pen held correctly. Use practice paper one hour a week. One writing book, or its equivalent, completed each half year. Copying from the blackboard. Writing selections and dictation exercises in blank books.

LANGUAGE.—Work of second grade continued with oral and written exercises, short stories read silently and then reproduced orally and in writing, stories written from pictures, letter writing begun.

GEOGRAPHY.—Second Half Year.—Give conversational lessons on plants, animals, people of different countries and climates, traveling by land and water, etc. Teach the natural divisions of land and water. Cardinal points of the compass. Names of the hemispheres, continents, oceans and grand divisions. General idea of our own country, state and city. Make the study interesting to the pupils and endeavor by all means to create in their minds clear conceptions of geographical terms. Use the lessons of the book as reading and thinking lessons. All terms and definitions should be learned with accuracy after they are clearly understood. Examination in this study.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

In all the grades make a list of words that pupils most frequently mispronounce, and drill them in their correct pronunciation, also give frequent and thorough drill upon words containing the vowel sounds properly grouped and arranged.

Particular attention should be paid to addition in all the grades. See that pupils perceive readily the sum of integers without resorting to the counting process.

ELEMENTARY SCIENCE.

Lessons to develop ideas of—

(1) *Color.*—Red, orange, yellow, etc.
Form.—Sphere, cylinder, cube, etc.
Place.—On, above, under, before, etc.
Size.—Large, small, great, little, etc.
Qualities of objects.—Rough, smooth, sweet, etc.
(2) *Lessons on the Human Body.*—Parts, use and movements, etc.
(3) *Familiar Plants.*—Flower, leaf, stem, root, etc.
Animals.—Cat, dog, horse, cow, etc.
Things.—Objects in the school room, etc.

The lessons on this subject should be purely oral, with conversational illustrations.

One hour a week, at such time as may be most suitable.

Principals are authorized and expected to promote to higher grades during the year, such pupils as shall evince ability to pursue the studies of the higher grades.

In this course of study more attention should be given to language and reading than to abstract work; and it is expected that principals will see that their assistants understand and follow closely the directions given in the present schedule. The perceptive faculties should be brought into prominent exercise, as this is the law of childhood and youth. The disposition to discover impels them to activity. Hence the teacher to be successful with children, must accustom them *to do* and discover for themselves. Train the eye to see, the ear to hear, the hand to do, and through these the mind to think.

Grades for Grammar Schools.

(SEPTEMBER, 1886.)

FOURTH GRADE. FOURTH YEAR.

LANGUAGE.—Third Reader. At least five exercises of an hour each per week. Spell the words contained in the first half of Newell's third reader. Composition about objects previously discussed. Letter-writing. Abstracts of lessons, stories, etc.,—orally and in writing. Capitalization and punctuation. Correction of faulty expressions and mispronunciations. Teach that names are called nouns, that words which describe things are called adjectives, and that the words which show what things do, or are, are called verbs. Supplementary reading. Writing selections and dictated exercises in blank books. One writing-book, or its equivalent, completed each half-year. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. Addition, subtraction, multiplication, and division of U. S. money (no decimal divisors or multipliers.) Denominations, *in common use*, of dry measure, long measure, liquid measure, and time, with examples involving their practical application. Common fractions to multiplication. Endeavor to make pupils quick and accurate in working examples in the simple rules.

GEOGRAPHY.—Elementary. New England States and North America. Draw, from memory, a map of North America.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

FIFTH GRADE. FIFTH YEAR.

LANGUAGE.—Fourth reader. At least five exercises of one hour each per week. Supplementary reading. Spell the words in the speller from page 15 to page 31. Special attention to be given to correct forms of speech both spoken and written. Exercises in composition, letter-writing, etc., the same in kind as those of the fourth grade, adapted to the capacity of the pupils of this grade. Teach the construction of simple sentences with the view of developing a knowledge of the parts of speech, and of the terms, subject,

predicate and object. Pupils of this grade should understand the use of capitals, periods, the question mark, quotation marks, and should have some knowledge of the use of the comma and the apostrophe. One writing-book, or its equivalent, completed each half-year. Writing original and dictated exercises in blank books. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. U. S. money. Common fractions and decimals to multiplication. Continue the exercises involving the tables studied in the fourth grade. Explain at the blackboard how the common denominations of square measure are derived from those of long measure, and teach the denominations of square measure *in common use* with simple examples involving their practical application. Frequent practice in the four rules, especially addition.

GEOGRAPHY.—Elementary. Middle Atlantic States, United States, South America. Draw, from memory, maps of Maryland and South America.

SCIENCE.—Dulany's Physiology. To be used as a supplementary reader and for reproduction exercises.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SIXTH GRADE. SIXTH YEAR.

LANGUAGE.—Fourth or fifth reader. History of Maryland. Supplementary reading. At least five exercises of one hour each per week. Spell the words in the speller from page 31 to page 46. The work of the fifth grade in composition continued, including reproductions of lessons in reading, geography, history and physiology. Special attention to be given to correct forms of speech both spoken and written. The study and analysis of simple and easy complex sentences. The gender, person, number and case of nouns and pronouns; the comparison of adjectives and adverbs; the voice and conjugation of verbs. Punctuation. One writing-book, or its equivalent, completed each half-year. Copying letters and writing in blank books, as in preceding grades. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. Finish decimal fractions. Compound numbers. Explain at the blackboard and by cubes how the common denominations of cubic measure are derived from those of long measure. Teach the pupils to perform with ease and accuracy operations in the simple rules, fractions and decimals. Practical examples involving the rules taught.

ALGEBRA.—To page 46, section 80. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Higher. Southern States. Central and North Central States. Europe. Draw, from memory, maps of Maryland and Europe.

SCIENCE.—Dulany's Physiology. One lesson a week. Teach the portions relating to hygiene and the nature of narcotics and alcoholic stimulants.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SEVENTH GRADE. SEVENTH YEAR.

LANGUAGE.—Fifth Reader. History of Maryland. Spell the words in the speller from page 46 to page 61. Supplementary reading. Reading compositions and other written exercises. Work of the preceding grade in composition continued, including descriptions, and abstracts of lessons in reading, geography, history and physiology. Business letters. The study and analysis of simple, complex and short compound sentences. Properties of the parts of speech continued, voice, mode, tense, and the use of auxiliaries. Principles of syntax illustrated by familiar examples. Special attention to the correct forms of speech both spoken and written. Punctuation. One writing-book, or its equivalent, completed each half-year. Making out bills. Writing in blank books valuable extracts, compositions and reproductions. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. Percentage, profit and loss, interest, ratio and proportion, discount, and partnership. Practical business examples involving the rules which have been taught.

ALGEBRA.—To page 135. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Rocky Mountain and Pacific States, Europe reviewed, Africa. Draw, from memory, Maps of Maryland and Africa.

SCIENCE.—Dulany's Physiology. One lesson a week.

HISTORY.—History of the United States to chap. XXIX.

DRAWING—As prescribed for the grade.

MUSIC.—As prescribed for the grade..

EIGHTH GRADE. EIGHTH YEAR.

LANGUAGE.—Sixth reader and the History of Maryland. Supplementary reading. Reading original compositions. Work of the seventh grade in composition continued. Outlines prepared for original composition. The study, and analysis of simple, complex, and compound sentences continued. Properties, and inflection of words Principles of syntax. Special attention to the correct forms of speech both spoken and written. Common roots, prefixes, suffixes, and compounds. Exercises in writing to be connected with book-keeping and composition. Writing compositions, dictated exercises, commercial forms, and business letters in blank books. Recitation of appropriate selections.

ARITHMETIC.—(*For Male Grammar Schools.*)—Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: partial payments (U. S. rule), equation of payments, commission and brokerage, averaging accounts, involution, evolution, mensuration (in connection with this subject review square and cubic measure), single-entry book-keeping.

ARITHMETIC.—(*For Female Grammar Schools.*)—Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: partial payments (U. S. rule), commission and brokerage, involution, evolution, mensuration (review square and cubic measure carefully with this subject), single-entry book-keeping.

ALGEBRA.—(*For Male Grammar Schools.*)—Through quadratic equations.

ALGEBRA.—(*For Female Grammar Schools.*)—Teach the four rules.

GEOMETRY.—To book V, omitting book III. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Asia and Oceania. Draw, from memory, maps of Maryland and Asia.

SCIENCE.—First Half Year.—Physics to acoustics. Second Half Year—Dulany's Martin's Human Body.

HISTORY.—History of the United States to page 312.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

GRADES IN GERMAN

—FOR THE—

English-German Schools.

(MARCH, 1886, AMENDED NOVEMBER, 1888).

N. B.—Classes in which Klemm's text books are still in use will follow the grading as prescribed for those books.

FIRST GRADE. FIRST YEAR.

READING AND SPELLING (oral).—Goebel's First Reader, pages 1 to 24 (No. 47) inclusive.

WRITING.—Copy script letters, words and sentences from the blackboard.

LANGUAGE.—Refer to corresponding English grade.

ARITHMETIC.—As prescribed for English grade (Mental Arithmetic).

MEMORIZING.—Appropriate selections.

SECOND GRADE. SECOND YEAR.

READING.—Goebel's First Reader, from page 24 to end. No. 14 (first division) and No. 3 (second division), optional.

SPELLING.—Goebel's First Reader, from page 27 to 48 inclusive.

DICTATION.—Sentences selected from the spelling lessons.

LANGUAGE.—Short stories told or read to pupils, to be reproduced orally. Object lessons.

MEMORIZING.—Short selections from the reader at discretion of the teacher.

ARITHMETIC.—As prescribed for English grade (Mental Arithmetic).

THIRD GRADE. THIRD YEAR.

READING.—Goebel's Second Reader, from page 1 to 74 inclusive.

SPELLING.—Goebel's Second Reader, from page 1 to 39 inclusive.

DICTATION.—Sentences selected from the spelling lessons.

LANGUAGE.—Short stories read by the pupils to themselves, then reproduced orally and in writing. Object lessons.

TRANSLATION.—Exercises on pages 92, 93, 94, 95, 96.

MEMORIZING.—Nos. 3, 9, 11, 17, 21, or any other at discretion of the teacher.

ARITHMETIC.—As prescribed for English grade. (Mental Arithmetic.)

FOURTH GRADE. FOURTH YEAR.

READING.—Goebel's Third Reader, from page 1 to 76 inclusive.

SPELLING.—Goebel's Third Reader, from page 1 to 47 inclusive.

TRANSLATION.—Exercises on pages 103, 104, 105, 106, 107.

DICTATION.—Sentences selected from the spelling lessons.

GRAMMAR.—The five declensions of nouns; comparison of the descriptive adjective and its declensions (in the pos. degree) when preceded by the article or a demonstrative or possessive adjective.

LANGUAGE.—Composition about objects previously discussed. Letter-writing. Abstract of stories, orally or in writing. Recitation of appropriate selections.

FIFTH GRADE. FIFTH YEAR.

FIRST HALF YEAR.

READING.—Kreis IV., pages 1-60.

TRANSLATION.—Exercises under IV., pages 1-21.

GRAMMAR.—Declensions of adjective finished; declension of personal pronoun; conjugation of "sein," "haben," "werden," (indicative), and prepositions governing the dative.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English (once a week). Composition once in two weeks. Recitations selected from the reader.

PENMANSHIP.—Taught in connection with written exercises.

SECOND HALF YEAR.

READING.—Kreis IV., page 61 to end.

TRANSLATION.—Exercises under IV., pages 21–41.

GRAMMAR.—Review the preceding grades. Teach declension and use of relative and interrogative pronouns, entire conjugation of the auxiliaries and regular verbs, prepositions governing the accusative.

LANGUAGE.—Oral and written exercises (at least once a week), as prescribed for this grade in English. Recitations from reader. Composition twice a month.

PENMANSHIP.—Taught in connection with written exercises.

Note.—Make the geography for all grades in English a means of instruction in the German grades.

SIXTH GRADE. SIXTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., part second to page 128.

GRAMMAR.—Review. Teach separable, inseparable, reflexive, impersonal, and irregular verbs. Prepositions with genitive and dative, or accusative. Simple sentences.

LANGUAGE.—Oral and written exercises (at least once a week), as prescribed for this grade in English. Recitations selected from reader. Composition twice a month.

PENMANSHIP.—Teach from written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., second part to page 134 inclusive

GRAMMAR.—Review preceding grades. Easy compound and complex sentences.

RECITATIONS of appropriate selections from reader.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English (at least once a week). Composition twice a month.

PENMANSHIP.—To be taught daily in connection with all written exercises.

SEVENTH GRADE. SEVENTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis VI., pages 1-65.

TRANSLATION.—From second part of Kreis VI., 128-141 (omitting lessons 13, 18, 19).

GRAMMAR.—Review. Complex sentences continued; compound sentences; punctuation.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English (at least once a week). Composition once in two weeks. Recitations from reader.

SECOND HALF YEAR.

READING.—Selections from Kreis VI., pages 65-127.

TRANSLATION.—From second part of Kreis VI., pages 141-155, (omit lessons 28-33).

GRAMMAR.—Complex and compound sentences continued. Order of words in sentence. Punctuation.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English (at least once a week). Composition once in two weeks. Recitations from reader.

EIGHTH GRADE. EIGHTH YEAR.

FIRST HALF YEAR.

TRANSLATION.—From second part of Kreis VII., (lessons 1, 2, 3, 5, 8, 11, 12, 14, 15, 17, 18, 23).

GRAMMAR.—Analysis—substantive, adjective and adverbial clauses. Review.

READING.—Selections from Kreis VII.

RECITATIONS.—Appropriate selections from Kreis VII. (Lyric and Epic poetry, pages 125-154).

N. B.—A short sketch of the author's life should be given by the teacher.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English. Composition once in two weeks.

SECOND HALF YEAR.

TRANSLATION.—Kreis VII, from lessons 25, 29, 31, 37, 39, 66, 69, 72, 78, 81, 82, 84, 87.

GRAMMAR.—General review. Rendering of the English participle, modal auxiliaries and their English equivalents, passive voice, etc., E. g.—"No stopping here!" "It is to be hoped he will pass his examination." "They spoke of his owing them a large sum of money." "I was followed." "He is to be induced to sign the note." "What are you going to do with it?" etc., (c. f., pp. 231-233 of reader).

READING.—Selections from Kreis VII.

RECITATIONS.—(German drama, &c). Models on pp. 148-154, Kreis VII.

LANGUAGE.—Oral and written exercises, as prescribed for this grade in English. Composition twice a month.

LIST OF BOOKS

——USED IN THE——

PUBLIC SCHOOLS.

FOR BALTIMORE CITY COLLEGE.

Allen & Greenough—Ovid.
Ahn—Series of German Texts.
Allen (F. D.)—Euripides' Medea.
Allen (W. F.)—New Latin Composition.
Adler—German Dictionary (abridged).
Alexander—Moral Science.
Alden—Science of Government.
Boise—Homer's Iliad (first six books).
Bolmar (A.)—French Verbs.
Brandt—High School German Grammar.
Barker—College Chemistry.
Brooks (E.)—Higher Arithmetic.
Bowser—Analytical Geometry.
Chase & Stuart—Virgil's Æneid.
do Horace.
do Cæsar's Commentaries.
do Sallust.
do Cicero's Orations (with Lexicon).
do Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for New Elementary Book-keeping.

DeFivas—Elementary French Reader.
Dana—Text Book of Geology (revised).
Dulany—Martin's Elementary Human Body.
Eliot & Storer—Qualitative Chemical Analysis.
Fleming & Tibbins—French Dictionary (abridged).
Goodwin—(W. W.) Greek Grammar.
do Greek Reader.
Gildersleeve—Latin Grammar.
do Latin Reader.
do New Latin Primer.
do Latin Exercise Book.
Gage—Elements of Physics.
Harper—Herodotus (two vols., cloth).
Haven (J.)—Mental Philosophy.
Hepburn—Manual of Rhetoric.
Joynes-Otto—Introductory German Lessons.
Jones—Exercises in Greek Prose Composition.
Kendrick (A. C.)—Xenophon's Anabasis (with vocabulary).
Liddell & Scott—Greek-English Lexicon (abridged).
Lessing—Minna Von Barnhelm (Students' classic German plays).
Lounsbury—English Language (Hand books for students).
Lockyer—Astronomy (American edition).
Loomis—Analytical Calculus.
Lippincott—Gazetteer of the World, with Supplement.
Noel & Chapsal—French Literature.
Norton—Natural Philosophy.
Newell—Revised Sixth Reader.
Ollendorff—French Method (Value).
Olney—General Geometry and Calculus.
Packard—New Manual of Book-keeping and Correspondence.
Prang—Drawing Books, Manuals and Teachers' Assistants.
Quackenbos—Advanced Composition and Rhetoric.
do History of United States for Schools.
do First Lessons in Composition.

Remsen—Organic Chemistry.
do Inorganic Chemistry.
Ray—New Higher Algebra.
Shepherd (H. E.)—History of the English Language (revised).
Schiller—Neffe als Onkel (Students' classic German plays).
do William Tell (W. D. Whitney).
do Prose.
Smith—Smaller History of Rome (Students' series of histories).
do History of Greece.
Spencerian—Copy books.
Spiers & Surenne—French Dictionary (abridged).
Shaw (T. B)—New History of English Literature.
Tyler—(W. S.) Tacitus' Histories.
Upham—Mental Philosophy (abridged).
Voltaire—History of Charles XII (12mo).
White (J. W.)—First Lessons in Greek.
White (J. T.)—Latin-English and English-Latin Lexicon.
White—Physiological Manikin (1 copy).
Whitney (W. D.)—Briefer German Grammar.
do Goethe's Iphigenie.
do Essentials of English Grammar.
Westlake—How to write letters.
Wentworth (G. A.)—Plane and Solid Geometry.
do Plane and Spherical Trigonometry and Surveying, with tables.
do Surveying and Navigation, with tables.
Webster—High School Dictionary.
do Unabridged Dictionary.
Zacho—New American Speaker.

FOR FEMALE HIGH SCHOOLS.

Anderson (J. J.)—Manual of History.
do Popular School History of United States.

Anderson (J. J.)—School History of England.
do School History of France.
Adler—Progressive German Reader.
Bain—Composition and Rhetoric.
Boyd—Annotated Poets—Milton.
do " " Thomson.
Brooks (E.)—Geometry and Trigonometry.
Crittenden—Blanks for New Elementary Book-keeping.
Dulany—Martin's Elementary Human Body.
Fasquelle—French Reader.
do Larger French Course.
do Introductory French Course.
Harvey—English Grammar.
Joynes-Otto—Introductory German Lessons.
Keetel—French Series.
Lockyer—Astronomy (American edition).
Lippincott—Gazetteer of the World, with Supplement.
Murdoch—Analytical Elocution.
Mason—Fourth Music Reader (revised)—Nat. Music Course.
Norton (S. A.)—Elements of Physics.
do Natural Philosophy.
Newell (M. A.)—Revised Fifth and Sixth Readers.
Pinney—Progressive French Reader.
Packard—New Manual of Book-keeping and Correspondence.
Prang—Drawing Books, Manuals and Teachers' Assistants.
Quackenbos—Higher Arithmetic.
do Practical Arithmetic.
do Advanced Composition and Rhetoric.
Ray—New Elementary Algebra.
Spiers & Surenne—French Dictionary (abridged).
Shaw (T. B.)—Outlines of English Literature.
do New History of English Literature.
Upham—Mental Philosophy (abridged).
Whitney (W. D.)—Briefer German Grammar.

Westlake—Common School Literature.
Webb—Model Etymology (new edition).
White—Physiological Manikin (one for each High School).
Webster—High School Dictionary.
do Unabridged Dictionary.

FOR BALTIMORE MANUAL TRAINING SCHOOL.

Peck—Ganot's Popular Physics (revised).

FOR THE GRAMMAR GRADES.

Appleton—Standard Elementary Geography.
do Standard Higher Geography (Maryland edition).
do Numbers Applied.
Bibles (12mo. sheep).
do (Douay).
Bert—First Steps in Scientific Knowledge—parts 4 and 5.
Creery (W. R.)—Catechism of United States History.
Davies (C.)—Geometry and Trigonometry.
Dulany—School History of Maryland.
do Standard Physiology.
do Martin's Elementary Human Body.
Harvey—Revised Elementary Grammar.
do Language Lessons.
Lippincott—Gazetteer of the World, with Supplement.
Mason—Second and Third Music Readers—National Music Course.
do Music Chart—National Music Course.
Meservey—Single Entry Book-keeping and Blanks.
Mayhew—Eclectic Book-keeping.
Newell (M. A.)—Revised Third, Fourth, Fifth and Sixth Readers.
Newell & Creery—Grammar School Speller.
New Graded—Fourth, Fifth and Cathcart's Literary Readers—American Educational Series.

Powell—How to Talk.
Payson, Dunton and Scribner—System of Penmanship.
Pelton—Outline Maps of Eastern Hemisphere, Western Hemisphere, Europe, United States, South America and Africa, and Asia.
Prang—System of Drawing.
Peabody—Fourth, Fifth and Sixth Readers.
Quackenbos—History of United States for Schools.
do First Lessons in Composition.
Ray—New Elementary Algebra.
Swinton—New Language Lessons.
do Language Primer.
do Third, Fourth and Fifth Readers.
Testaments (32mo, cloth).
do (Douay).
The Gem Song Book.
Webster—Unabridged Dictionary.
do Common School Dictionary.
Whitney & Knox—Elementary Lessons in English—Teachers' edition.

FOR THE PRIMARY GRADES.

Appleton—Standard Elementary Geography.
do Numbers Illustrated.
do Reading Chart.
Butler—Reading Chart.
Bibles (12mo, sheep).
do (Douay).
Fisher—A. B. C. Charts and Cards.
do Arithmetical Table Cards.
Mason—First Music Reader—National Music Course.
do Music Chart—National Music Course.
Monroe (L. B.)—Reading Chart.

McGuffey—Reading Chart.
Newell (M. A.)—Revised First, Second and Third Readers.
New Graded—Readers No. 1, No. 2, No. 3—American Educational Series.
Newell & Creery—Primary School Speller.
Payson, Dunton & Scribner—System of Penmanship.
Prang—System of Drawing.
Peabody—Primer, Infant Reader, First, Second and Third Readers.
Pelton—Outline Maps of Eastern Hemisphere, Western Hemisphere, and United States.
Swinton—Primer and First Reader, Second and Third Readers.
Smart—Free Gymnastics.
Testaments (32mo, cloth).
do (Douay).
The Gem Song Book.
Whitney & Knox—Elementary Lessons in English—Teachers' edition.
Wentworth & Reed—First Steps in Numbers—Teachers' edition—(one for each school).
Webster—National Pictorial Dictionary.
do Primary Dictionary.

GERMAN BOOKS FOR ENGLISH-GERMAN SCHOOLS.

Goebel (Ludwig)—Primer, II, III Text Books.
Klemm—German Text Book—Kreis—IV, V, VI, VII.
Payson—German Copy Books.

LIST OF STATIONERY, ETC.

FOR ALL THE SCHOOLS.

Composition (or Plain Copy) Books, 40 pages.
"D" Slates, Round Corners, 6x9, 7x11, 8x12.
Ink Wells, with or without Covers.
Lead Pencils (Faber, Eagle, Dixon "H. S.," Graham, Senate and Ledger).
Rubbers (Eagle Nos. 1096 and 1076).
Blackboard Rubbers (Coughlin No. 4, National No. 2).
Mt. Holly Mills Paper (Cap, 12 lbs.; Letter, 10 lbs.; Note, 6 lbs).
Huron Mills Paper (Cap, 12 lbs.; Letter, 10 lbs.; Note, 6 lbs).
Manila Paper for Drawing (40 lbs).
Envelopes—Buff and White, Letter and Large size.
Slate Pencils—German, 5½ inches; Soapstone, 6 inches; Eagle (in wood).
Steel Pens—Gillott's Genuine Nos. 303 and 404; Perry & Co., No. 1073; University, No. 4x4; Esterbrook's School, No. 333; Spencerian, No. 1; Academic, No. 3x3; Lady Washington, No. 1x1; Miller Bros. Nos. 333 and 444.
Pen-holders—Eagle Nos. 2410, 2411 and 2712.
Chalk Crayons (Parmenter's and New York Crayon Co's).
Mucilage—Stickwell's.
Ink—Maynard & Noyes's, American Standard Ink Co's Fluid and Violet, Stafford's Universal Black and Commercial, Duval's Black and Violet.
Gongs—B. & H. (Principals', No. 2400; Assistants', No. 2100).
Teachers' Ink Stands, with Racks.
Roll Books.

STATUTES

RELATING TO THE

PUBLIC SCHOOLS OF BALTIMORE CITY.

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1. The Mayor and City Council of the City of Baltimore shall have full power and authority to establish in said city a system of free public schools, which shall include a school or schools for manual or industrial training, under such ordinances, rules and regulations as they may deem fit and proper to enact and prescribe; they may delegate supervisory powers and control to a Board of School Commissioners; may prescribe rules for building school houses, and locating, establishing and closing schools, and may in general do every act that may be necessary or proper in the premises.

2. The Board of Commissioners of Public Schools of Baltimore City, or by whatever name the body may be known that has supervisory powers and control over the public schools of Baltimore city, shall have power to examine, appoint and remove teachers, prescribe the qualifications, fix the salaries, subject to approval of the Mayor and City Council, and select text books for the schools of said city; provided, such text books shall contain nothing of a sectarian or partisan character. The Board of

Commissioners of Public Schools of said city shall annually make a report to the State Board of Education of the condition of the schools under their charge, to include a statement of expenditures, the number of children taught, and such other statistical information as may be necessary to exhibit the operation of the schools.

3. The Mayor and City Council of Baltimore shall have power and authority to make all ordinances for the protection of the school houses and property, and to punish any person who may disturb the sessions of said public schools.

4. And the said Mayor and City Council are hereby authorized and empowered to levy and collect upon the assessable property in said city, as other taxes are levied and collected, such amount of taxes as may be necessary to defray all expenses incurred for educational purposes by said Mayor and City Council.

5. The Treasurer, on the warrant of the Comptroller, shall pay to the Mayor and City Council the proportion of the free school fund to which said city is entitled.

ORPHANS' COURT.

6. The Orphans' Court of said city shall order and direct the funds arising from intestates' estates that may be administered upon in said court, and which remain undistributed for want of legal representatives of the intestates to claim the same, to be paid to the Board of Commissioners of Public Schools.

7. The court shall not make such order until they shall be satisfied that the intestate left no legal representatives living at the time of his or her death, and they shall cause the administrator of such intestates to give notice, by advertisement to be

inserted for such periods of time and in newspapers published in such places as they may deem necessary, that upon default of the appearance of any legal representative of the intestate by a certain day to be fixed by the court, and named in said advertisement, the estate of said intestate will be paid to the Commissioners of Public Schools.

8. They shall, upon passing an order directing such payment, require from the treasurer of the Board of Commissioners of Public Schools, or any officer who may be appointed by the said Board of Commissioners, or the Mayor and City Council of said city to receive such funds, a receipt and release to the administrator for the same.

9. The release shall contain an obligation that the said funds shall, by the Board of Commissioners of Public Schools, be applied to the use and support of the public schools of the city of Baltimore, and shall be recorded and preserved in said court as other records are.

STATUTE RELATING TO VACCINATION.

(City Code, 1879, Article 23).

Section 26. No teacher in any school shall receive into such school any person as a pupil, until such person shall produce the certificate of some regular practicing physician, that such applicant for admission into the school has been duly vaccinated. Any teacher so offending shall, on conviction thereof, forfeit and pay a fine of ten dollars for each offense, and no public school trustee or commissioner shall grant a permit to any child to enter any public school without such certificate, under the same penalty.

PHYSIOLOGY AND HYGIENE.

By Chapter 495, Laws of 1886, it was enacted, That the nature of alcoholic drinks and narcotics, with special instructions as to their effects upon the human system, in connection with the several divisions of the subject of physiology and hygiene, shall be taught to all pupils whose capacity will admit of it in all departments of the public schools of the State, and in all educational institutions supported wholly or in part by money from the State. The text books used to be published, printed and sold in the State.

EXTRACTS FROM ORDINANCES

RELATING TO THE

Public Schools of Baltimore City.

COMMISSIONERS OF PUBLIC SCHOOLS.

1. There shall be appointed by the two branches of the City Council, in convention assembled, at the times and in the manner prescribed in Sections 2 and 3 hereof, twenty persons, to be called Commissioners of Public Schools, one commissioner to be selected from each of the several wards of the city; and said commissioners shall continue in office for the terms as prescribed in Sections 2 and 3 hereof; provided, that if any commissioner shall remove from the ward from which he was appointed before the expiration of his term of office, then his place in the board shall be declared vacant, and the board may declare vacant the place of any commissioner who shall absent himself from three successive stated meetings of the board, without showing satisfactory cause for his non-attendance, after having been duly notified of the same.

(By ordinance approved May 2, 1888, it was enacted and ordained, "That from and after the passage of this ordinance the Mayor of the city of Baltimore shall be always *ex-officio* a member of the Board of Commissioners of Public Schools of said City.")

2. The Commissioners of Public Schools, who shall be appointed in the month of February, 1877, shall be appointed for

one, two, three and four years, which several terms of service shall be determined by lot at their first meeting and immediately after their organization by the election of a President and Secretary, as provided by Section 5 hereof; the members severally appointed for the First, Second, Third and Fourth wards shall draw lots for their terms of service, which terms shall be one, two, three and four years respectively, as fixed by the lot then drawn; and the several members for each succeeding four wards, the wards being taken in numerical order, shall determine their terms of service in the same manner as aforesaid.

3. In the month of February, in each succeeding year, the First and Second Branches of the City Council, in convention assembled, shall elect School Commissioners in place of those only whose term of office shall at that time expire, and the commissioners elected, as prescribed by this section, shall continue in office for four years.

4. The First and Second Branches of the City Council, in convention assembled, shall have power to expel a member of the Board of Commissioners of Public Schools, either for persistent neglect of duty or for conduct unbecoming a School Commissioner. Should any vacancy occur in the board by removal, resignation, death or otherwise, the unexpired term shall be filled in the same manner as provided by the preceding sections hereof.

5. Said commissioners shall meet within ten days after their election, and at their first meeting they shall proceed to the election of president from their own board, to be chosen by a majority of the whole body; also a person to act as secretary, who shall serve for one year, unless sooner removed by the board, and who shall have charge of the rooms, books, papers and documents of the board, and shall perform such clerical duties as may be required of him by its members or committees; the board shall assign the duties to be performed by him, and shall fix his salary,

subject to the approval of the two branches of the City Council. If a vacancy should occur in the office of secretary, from any cause whatever, it shall be the duty of the board to elect a person to fill said vacancy as soon as it can conveniently be done; and in all cases a majority of the commissioners shall constitute a quorum for the transaction of business.

6. Whenever a vacancy or vacancies shall occur in the Board of Commissioners of Public Schools during the session of the City Council, it shall be the duty of the president of the board to inform the Mayor of such vacancy or vacancies, who shall communicate the same to the first and second branches of the City Council, who shall proceed in convention, according to their respective rules, to fill said vacancy or vacancies. If a vacancy or vacancies shall occur during the recess of the City Council, by death, resignation or otherwise, it shall be the duty of the board to fill the same as soon as may be convenient; the person or persons so elected to serve until the next session of the City Council.

7. There shall be appointed by the board a suitable person to be the Superintendent of Public Instruction for the City of Baltimore, who shall be a resident of the city of Baltimore, of literary and scientific acquirements and of skill and experience in the art of teaching, and who shall serve for the term of four years, unless sooner removed by the board. It shall be the duty of the superintendent to devote his time and attention entirely to the general supervision of the public schools of the city, subject to such rules and regulations as the Board of School Commissioners may establish. It shall especially be the duty of the superintendent to visit every school under the charge of the Board of Commissioners of Public Schools as often as once in each quarterly session, or four times during the academic year; to examine into its respective studies, and to inquire into all matters relating to the government of the schools, such as its curriculum of studies, discipline and course of instruction pursued therein,

the text-books that are used, the condition of the school houses, and to make a monthly report of the matters thus specified to the Board of Commissioners of Public Schools.

8. There shall be appointed by the said Board a suitable person to be the Assistant Superintendent of Public Schools, who shall be a resident of the city of Baltimore, of skill and experience in the art of teaching, and whose term of office shall be concurrent with that of the superintendent.

9. It shall be the duty of such assistant superintendent of the public schools to aid the superintendent in the supervision of the public schools of the city; he shall visit the primary schools as often as his duties will permit, and make a report of such visits to the superintendent; he shall assist in the examination of the quarterly reports of teachers, in the preparation of the questions for the semi-annual examination of the classes of the primary and grammar schools; and be subject to such rules and regulations as the Board of Commissioners of Public Schools may establish.

10. In order to advance the interests of the schools committed to his charge, the superintendent, in conjunction with a committee of three members of the school board, shall, in the forms prescribed by the board, examine into and ascertain the qualifications of applicants for the situation of teachers, and re-examine, if necessary, any of the teachers employed in the schools under the charge of the board; and in order further to promote the cause of sound education, and to elevate the character and qualifications of the teachers, the superintendent shall, by all the means in his power, counsel and advise with the teachers in relation to their duties, the proper classification of studies, the best methods of imparting instruction, and in general, as to the proper discipline and management of the schools under their charge.

11. The salary of the superintendent shall be fixed by the

Board of Commissioners of Public Schools, subject to the approval of the two branches of the City Council; and he shall make annually a report in writing to the Mayor and City Council of all matters of interest or importance in connection with the schools; and shall also, when requested, furnish to the Board of Commissioners of Public Schools of the city a written statement, showing the number of schools in the city, the number of pupils under instruction and the teachers employed therein, with such additional information in respect to the matters above specified as may be deemed advisable and necessary.

12. The salary of the assistant superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the Mayor and City Council.

13. The Register is authorized to receive, through the secretary of the board, all moneys from the teachers, and all other funds due the school board, and pay out of the funds standing in the treasury of the city to the credit of the public schools, any orders that are provided for in the levy for school purposes, after having been examined by the committee on accounts and passed by the board, signed by the president and countersigned by the secretary of the Board of Commissioners of Public Schools.

14. The said Board of Commissioners of Public Schools shall have charge of the public schools in operation in the city of Baltimore, and of all such as may be in operation during their continuance in office; and it shall be their duty to employ teachers and determine their salaries; to prescribe the courses of study and the books to be used; to make all such by-laws for their own government, and all such rules and regulations for the management of the schools as they may deem expedient, and to modify and repeal the same at their pleasure; provided, that such by-laws, rules and regulations so made or modified, be not inconsistent with the laws of the State, or the ordinances of the city

And it shall further be the duty of said board, at such time as other city officers are required to report, to report to the Mayor and City Council a statement of their transactions, with an account of their receipts and expenditures during the year last passed, and their resources for the year then commenced.

15. The Commissioners of Public Schools shall have charge of all the buildings used for school purposes, and they are hereby authorized to make all necessary repairs in the school houses of the city; provided, the same shall not exceed the sum of three hundred dollars.

16. The said board is authorized and directed to rent out, except for political purposes, for such compensation as to them may seem just and reasonable, the main halls in the Eastern and Western Female High School buildings, for public purposes, at such times and under such regulations as to them may appear right and proper; provided, the same shall not be rented so as to interfere with or interrupt the regular exercises of the schools.

17. The revenue derived therefrom, as provided in the preceding section, shall be accounted for by the said board and paid over by them to the Register, who is directed to place the same to the credit of the public school fund.

18. The said board shall not employ in building, repairing or improving, or in furnishing stationery or any other kind of supplies, any member of said board; nor shall any member of said board be interested, directly or indirectly, in any contract whatever for the use of the public schools.

19. The salaries of the superintendent, assistant superintendent and secretary of the board, and of the teachers and all other persons permanently employed by the Commissioners of Public Schools shall be paid monthly, on the last day of each

month, by the City Register; and he is hereby authorized, in case of any deficiency in the collection of the school fund, or in anticipation of the levy for the same, to advance, from time to time, to said fund, such sums as shall be required for the payment of said salaries at the time when they shall be due.

20. There shall be no charge for tuition or for the use of books and stationery in any of the public schools, but it shall be the duty of the commissioners to furnish, free of all cost to the pupils and their parents, all the necessary tuition and the use of books and stationery for the several schools, and in general whatever fuel or other supplies the schools may require—the same to be paid for from the public school fund. (Ordinance as approved October 6, 1884).

21. The public schools of Baltimore are designed exclusively for the education of those pupils whose parents, or in the case of orphans, whose guardians are citizens of Baltimore, or residents of Baltimore with a *bona fide* intention to become citizens.

22. The Board of Commissioners of Public Schools are hereby directed, before admitting the children of non-resident parents or guardians into the public schools of the city of Baltimore, to charge such parents or guardians the following amounts, viz: For admission to the Baltimore City College, per capita, twelve dollars and fifty cents per quarter; for admission to the Female High Schools, per capita, eight dollars per quarter; for admission to Grammar Schools, per capita, four dollars per quarter; for admission to Primary Schools, per capita, three dollars per quarter; the said amount to be paid invariably in advance, and to be paid by the School Commissioners to the Register of the city for account of the school fund; provided, however, that nothing herein contained shall be so construed as to prevent the free admission into said schools of the children of registered voters of the city who are employed by the city, in or about

Druid Hill Park or the water works there situate and who reside beyond the city limits. (Ordinance as approved April 20, 1887).

23. The Commissioners of Public Schools shall not admit any book or books into use in the public schools, or discontinue the use of the same after having been admitted, unless said admission or discontinuance be approved by a vote of a majority of the entire board in session assembled at a regular meeting of said board.

24. The said Commissioners of Public Schools are hereby authorized to receive all devises, bequests and donations which may be made for the benefit of said public schools, and all devises, bequests and donations received by said commissioners, by virtue either of this section or of any Act or Acts of the General Assembly of Maryland, shall be paid over by them to the Register of the city, who shall place the same to the credit of the school fund; and if any condition or conditions be prescribed in any such devise, bequest or donation, the same shall be applied under the direction of said commissioners, with the sanction of the Mayor and City Council, agreeably to the intention of the testator or donor, and if no condition be prescribed in any such devise, bequest or donation, it shall not be lawful for said commissioners to draw all or any part of the amount thereof out of the city treasury during the year in which it was received, unless the collections from the resources and levy of the school fund for said year should fall short of the estimated expenditures forming the basis of said levy; or unless it shall have been already allowed in the estimated resources of the fund for said year, otherwise the same shall be included in the estimate of the ensuing year. (See ordinance approved September 22, 1883).

25. The Register of the City shall demand and receive, from time to time, from the Treasurer of Maryland, from the Orphans' Court of Baltimore City, from the Commissioners of Finance, and from the Collector of the City, all such sum or sums of money

as may be in their hands for the support and benefit of the public schools of the city, and he shall place the same to the credit of the public school fund.

26. All assessments for paving or repaving in front of any of the public schools, or lots of ground attached thereto, and also all assessments of benefits for opening or widening any street or streets, so far as the public schools may be interested, shall be paid by the Register out of any unappropriated money in the treasury.

27. It shall not be lawful for said Board of Commissioners of Public Schools to exceed in their expenditures the amount annually appropriated therefor by the City Council; and it shall be their duty to apply the same exclusively to the several purposes, and as far as practicable, in the proportion specified in the statement of estimated expenses, on which said City Council shall have based the school fund levy for the year.

28. The Male Public High School of Baltimore shall be styled the Baltimore City College; and whenever any of the pupils of said school shall have satisfactorily completed the prescribed term and course of instruction, the Commissioners of Public Schools shall have power to confer on them testimonials in form as follows, viz: This certificate is given to ——— ———, a pupil of the Baltimore City College, in testimony that he has pursued and satisfactorily completed the studies of the —— course of —— years; and said testimonials shall be signed by the president of the board, by the Mayor of the city, with the seal of the city attached, by the committee on the Baltimore City college, and by the principal, vice-principal and professors of said college.

29. Said Commissioners of Public Schools are authorized to cause said testimonials to be engraved on copper, or lithographed,

with a suitable vignette, the expenses necessarily connected with the preparation of said testimonials to be paid from the school fund; provided that no commissioner or teacher shall ever charge or receive any fee or compensation for so signing said testimonials.

30. Said Commissioners of Public Schools shall have power to confer testimonials on pupils of the Eastern and Western Female High Schools, in conformity with the requisitions and provisions of the preceding two sections.

31. Whenever any pupil shall leave any of the high schools without having completed the prescribed term and course of instruction, then, and in such cases, said commissioners shall have power to confer such testimonials on said pupils as said commissioners may deem to be proper and appropriate to the occasion.

SCHOOLS FOR COLORED CHILDREN.

38. It is hereby made the duty of the Board of Commissioners of Public Schools of the City of Baltimore to organize separate schools for colored children, and to establish as many schools for the education of colored children of Baltimore city as may, in the judgment of said board, be necessary.

39. The schools to be established in accordance with the provisions of this ordinance shall be subject to such rules and regulations as may be prescribed by the said board in its discretion.

LIBRARIES.

41. There shall be established at the Baltimore City College, and at each of the two Female High Schools, a library for their use, without charge, under such regulations as may be adopted by the Board of Commissioners of Public Schools.

42. The selection of the books, which shall be only of an in-

structive and moral character, shall be made by the said commissioners, or a committee appointed by them for the purpose, and no book deemed by them to be injurious to the morals of the pupils, or of a sectarian character, whether obtained by purchase or donation, shall be admitted in said libraries; and all books purchased under any future ordinance or resolution of the City Council or otherwise, for this purpose, shall be subject to the restrictions herein contained.

PEABODY PRIZES.

43. The Commissioners of Public Schools of the City of Baltimore are hereby authorized to accept and receive the premiums given by the Trustees of the Peabody Institute to the Baltimore City College and the Female High Schools, as specified in Mr. Peabody's letter to his trustees, and to have the same distributed from time to time in such a manner as they shall deem most conducive to the benefit of the schools and the objects of the donor.

MANUAL TRAINING SCHOOL.

AN ORDINANCE APPROVED OCTOBER 20, 1883, ENACTS AS FOLLOWS:

That the Board of Commissioners of Public Schools of Baltimore City be and they are hereby authorized and directed to establish in the city of Baltimore, in some convenient locality, as near the centre of the city as possible, a school for manual training, under such name or title as said board shall select; that said school shall be open to the children of the citizens and *bona fide* residents of the city of Baltimore, and that the admission to said school shall be regulated by the law now existing for the admission of pupils to the public schools of the city of Baltimore, except in so far as changed by this ordinance; that the age and qualifications for admission to said school shall be fixed and prescribed by the said school board; provided, that the fee for the

use of tools and materials for pupils who are the children of residents or citizens of Baltimore, shall not exceed one dollar each per scholastic quarter; that pupils from other places may be admitted to said school upon such terms and conditions and upon payment of such fees as said board shall prescribe.

INTESTATES' ESTATES.

(Ordinance Approved September 22, 1883).

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That all funds which, from and after the approval or final passage of this ordinance, shall be paid to or received by the City Register, or in any other way or through any other person or persons, passed over and transferred to the Mayor and City Council of Baltimore pursuant to the provisions of Sections 6, 7, 8 and 9, of Article XLIII, of the Baltimore City Code, title "Schools," sub-title "Statutes," sub-division "Orphans' Court," and of Section 25 of said Article, sub-title "Ordinances," sub-division "Commissioners of Public Schools," shall be held subject to the order of the Board of Commissioners of Public Schools of the city of Baltimore in like manner as the funds derived from taxation for said purposes are held, and such funds as may be thus received are hereby declared to be a separate and distinct revenue, to be applied to the use and support of the public schools, in addition to the annual tax levied, and the annual appropriation made for that purpose.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the City Register to notify and inform the Board of Commissioners of Public Schools, by a communication in writing, whenever any funds arising from the aforesaid source shall be hereafter received by him, and the amount of the same.

Sec. 3. And be it further enacted and ordained, That whenever said Commissioners of Public Schools shall intend to apply

any portion or all of the aforesaid funds hereafter received from intestates' estates, the warrant or order drawn for said funds, or any portion thereof, shall show upon its face that it is drawn upon said funds, and it shall be the duty of the City Comptroller and the City Register to keep a separate account of all receipts and disbursements for said special and specific fund.

AN ORDINANCE TO PREVENT THE SPREAD OF DISEASE,

Approved February 21, 1880, enacts as follows:

That it shall be the duty of all physicians who may be in attendance in any family whose child or children may be attending any of the public schools of this city, which family may have a case or cases of scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagious disease, to give a certificate of the same to the parents or parent of the child or children so diseased as soon as the disease is developed; and it shall be the duty of the parents or parent, as soon as the physician certifies that contagious disease exists in his, her or their house, to notify the principal of the school attended by his, her or their children within twenty-four hours. That if there be no physician attending in cases of disease mentioned in Section 1 of this ordinance, it shall be the duty of the parents or parent to report the disease to the principal of the school attended by his, her or their child or children within twenty-four hours from the time the disease is known to be contagious. That if any parent or physician shall notify any public school teacher of the city that any contagious disease exists in any family whose child or children are attending any of the public schools of this city, then it shall be the duty of the principal of the school to exclude the child or children of said family from the school until the attending physician certifies that all danger from contagion has passed. That if any teacher or teachers reside, board or lodge in any house where a child or children in such house is suffering with any contagious

disease, of which fact the said teacher has been cognizant, then it shall be the duty of said teacher to certify to the same to a member of the school board, and such teacher shall not perform his or her duties in any public school in this city until a physician attending such case or cases of contagious disease shall certify that all danger from contagion has passed. (Failure to comply with the provisions of this ordinance will subject the offender to a fine of ten dollars).

ORDINANCE No. 119 OF MAY 25, 1880, ENACTS AS FOLLOWS:

When scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagious disease has existed in any family whose child or children have been attending any of the public schools of the city, which child or children had not been attended by any practicing physician, then it shall be the duty of any vaccine physician who may be applied to for a certificate that all danger from contagion has passed, to visit the premises, if in his district, where said child or children had been sick, and if there should exist no danger from contagion he should give the certificate applied for free of charge.

(See also statute relating to vaccination).

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO APPOINT A SUPERINTENDENT OF SUPPLIES.

(APPROVED APRIL 8, 1886).

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Board of School Commissioners be and they are hereby authorized and directed to appoint annually at the same time that the secretary of the said board is elected, a suitable person, a citizen of Baltimore, who shall be known as the Superintendent of Supplies.

Sec. 2. And be it further enacted and ordained, That it shall be his duty, under the instructions from the Board of School Commissioners, to supervise, take care of and have general control of all furniture, stoves, furnaces, fuel, repairs and other incidental supplies which are now in possession of the board, or which may be purchased by order of the board, be responsible to the board for their condition, and report from time to time as the board may direct, and perform such other duties with reference thereto as may be required by the board.

Sec. 3. And be it further enacted and ordained, That the Board of School Commissioners shall pay the Superintendent of Supplies for his services, not more than twelve hundred dollars per annum, the amount to be taken out of the appropriation made to the said Board of School Commissioners for salaries.

AN ORDINANCE TO PROVIDE FOR PURCHASING OF SUPPLIES FOR USE IN THE PUBLIC SCHOOLS.

[Approved April 27, 1886]

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Board of Commissioners of Public Schools be and they are hereby authorized and directed that in the purchase of all supplies to the amount of fifty dollars and over that they advertise for proposals to supply the same; said proposals to be opened in the presence of a committee of said board, the City Comptroller, and the City Register, who together shall constitute a board to award all contracts.

Sec. 2. This ordinance to take effect from the date of its passage.

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO EMPLOY COLORED TEACHERS FOR SCHOOLS SET APART FOR COLORED YOUTHS.

[Approved May 3, 1888]

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Board of School Commissioners be and they are hereby authorized and directed in all colored schools to be hereafter established, and in all colored schools in any territory hereafter annexed to Baltimore City, to appoint teachers of the colored race as instructors in such public schools set apart for colored youths; provided that they be shown, by examination or such other test as is applied to white teachers, to possess the necessary moral and intellectual qualifications therefor.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the Superintendent of Public Schools to hold a public examination on or before September 1st, 1888, to which all colored applicants for teachers' positions may and shall be admitted, and to hold such other examinations as may from time to time be hereafter required.

Sec. 3. And be it further enacted and ordained, That all such applicants who pass a satisfactory examination shall be certified by the Superintendent of Public Schools to the Board of School Commissioners, and that said Board of School Commissioners shall appoint the persons so certified to positions as teachers in all colored schools hereafter established and set apart for the colored race, and also in all such schools in any territory hereafter annexed to Baltimore City.

Sec. 4. And be it further enacted and ordained, That the schools hereafter established for colored children shall be supplied with the colored applicants so certified to the extent of the num-

ber applying before teachers of any other race shall be employed in such schools; provided, however, that in no case shall teachers of the white race be employed in any school in which colored teachers are employed.

Sec. 5. And be it further enacted and ordained, That the salaries paid to such colored teachers shall be equal to those now paid to white teachers for similar service in the colored schools.

Sec. 6. This ordinance to take effect at the beginning of the regular school session in September, 1888.

Sec. 7. And be it further enacted and ordained, That all ordinances or resolutions, or parts of ordinances or resolutions, inconsistent with this ordinance, be and the same are hereby repealed.

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REGISTER

— OF THE —

CORPORATION OFFICERS

— OF —

BALTIMORE CITY,

FOR THE YEAR 1889.

REGISTER

OF THE

CORPORATION OFFICERS OF BALTIMORE CITY,

FOR THE YEAR 1889.

Mayor's Office.

FERDINAND C. LATROBE, *Mayor.*
WILLIAM H. LOVE, *Secretary to the Mayor.*
ANDREW J. KING, *Clerk to the Mayor.*
GEORGE H. DALRYMPLE, *City Messenger.*

Register's Office.

JOHN A. ROBB, *Register.*
J. SEWELL THOMAS, *Deputy Register.*
CHAS. M. GORDON, *Chief Clerk.*
HENRY DUVALL, JR., *Assistant Clerk.*
TIMOTHY D. O'CONNELL, "
ROBERT D. CARTER, "

Comptroller's Office.

JAMES R. HORNER, *Comptroller.*
JOSEPH VANSANT, *Deputy Comptroller.*
J. HARRY DUVALL, *Chief Clerk.*
JOSEPH A. BONN, *Assistant Clerk.*
JAMES T. DORSEY, *License Detective.*

Law Department.

FETTER S. HOBLITZELL, *City Counselor.*
BERNARD CARTER, *City Solicitor.*
JAMES W. McELROY, *Examiner of Titles.*

Members of the First Branch City Council.

THORNTON ROLLINS, *President.*

First Ward.....Charles F. Riehl.
Second Ward.....Andrew Brown.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Timothy Maloney.
Fifth Ward.....Thomas B. Bateman.
Sixth Ward.....John Betz, JR.
Seventh Ward.....Frank H. Kampe.
Eighth Ward.....Terrence McMahon.
Ninth Ward.....John D. Cook.
Tenth Ward.....Dr. Josiah G. Keller.
Eleventh Ward.....William W. McIntire.
Twelfth Ward.....Edward Stabler, JR.
Thirteenth Ward.....Thornton Rollins.
Fourteenth Ward.....A. J. Fairbank.
Fifteenth Ward.....Edward H. Fowler.
Sixteenth Ward.....Emil Budnitz.
Seventeenth Ward.....John McGarry.
Eighteenth Ward.....Robert Ogle.
Nineteenth Ward.....John R. Bailey.
Twentieth Ward.....Cecil J. Karsner.
Twenty-first Ward.....Wm. H. Brown.
Twenty-second Ward.....F. Albert Kurtz.

John Kelly, *Chief Clerk.*
M. N. Packard, *Assistant Clerk.*
Millard F. Taylor, *Committee Clerk.*
George M. D. Wood, *Sergeant-at-Arms.*
J. T. Murphy, N. W. Unduch, } *Doorkeepers.*
Jesse F. Hall, *Page.*

Members of the Second Branch City Council.

D. MEREDITH REESE, *President.*

First and Second Wards..... Louis Beck.
Third and Fourth Wards..... D. Meredith Reese.
Fifth and Sixth Wards..... Dr. J. B. Sutherland.
Seventh and Eighth Wards..... B. F. Sutherland.
Ninth and Tenth Wards..... John F. Leonard.
Eleventh and Twelfth Wards.... Henry W. Rogers.
Thirteenth & Fourteenth Wards.. Charles J. Wiener.
Fifteenth and Sixteenth Wards.. Charles W. Brown.
Seventeenth & Eighteenth Wards. Francis J. Hayden.
Nineteenth and Twentieth Wards. H. Webster Crowl.
Twenty-first and Twenty-second Wards..... E. M. Hoffman.

John M. Travers, *Chief Clerk.*
George W. Green, *Assistant Clerk.*
Capt. James Hall, *Committee Clerk.*
M. Farrell, *Sergeant-at-Arms.*
Joseph H. Krager, *Doorkeeper.*
Henry C. Butts, *Page.*

Department of Finance.

His Honor Ferdinand C. Latrobe, *Chairman.*
Enoch Pratt, James Sloan, Jr.

Tax Department.

Lewis N. Hopkins, *City Collector.*
J. T. M. Barnes, *Deputy City Collector.*
Richard G. Ducket, *Cashier.*
Clapham Murray, *Assistant Cashier.*

Tax Department—Continued.

Charles Schwartzhaupt, *Bookkeeper.*
Hugh M. Gatchell, *General Cash Bookkeeper.*
Henry McGinnity, Jr., *Transfer Clerk.*
W. W. Lanahan, *Ledger Clerk.*
James K. Harwood, "
Gover Kettlewell, "
J. Bosley Bond, "
Frank J. Gorman, "
Claude L. Goodwin, "
Jacob B. Waidner, "
Ridgely Duvall, "
Wm. C. Bordley, "
Samuel Clotworthy, "
John T. Murphy, "
George W. Snyder, "
John J. Potter, *Bailiff.*
Henry D. Weaver, "
Charles Kilian "
W. O. Beckenbaugh, "
Thos. F. McNulty, "
James E. Trott, "
James F. Pearson, "
John J. Rock, "
James H. O'Neill, "
George N. Hughes, "
Richard F. Curtis, "
Louis Kroeger, "
Patrick Scanlon, "
Wm. J. Laughlin, "
J. H. F. Hiser, "

Tax Department—Concluded.

Jos. P. Scott, *Bailiff.*
Wm. F. Wood, "
David Binswanger, "
Jos. J. Peters, "
Geo. Vogelgesang, "
F. A. Kerchner, "
Joshua D. Taylor, "
Geo. A. Vernetson, "
Robert R. Kirkland, "
Wm. H. Russell, "
John T. Ross, "
Charles E. Key, "

Judges of Appeal Tax Court.

Wm. H. B. Fusselbaugh, E. J. Chaisty, Eugene T. Joyce.

H. P. Mowinckle, *Chief Clerk.*
Michael H. Doyle, *Assistant Clerk.*
Thomas K. McCormick, *Assessor.*
Elias Rosenbaum, "
Dr. George W. Massamore, "
Francis X. Jenkins, *Clerk to Assessors.*

City Commissioners' Department.

Alfred E. Smyrk, *City Commissioner.*

Charles P. Kahler, *Assistant City Commissioner.*
Newton M. Gray, " " "
Michael Naughton, " " "
John E. Toole, *Clerk.*

City Library.

Samuel D. Smith, *Librarian.*
John G. Scott, *Assistant Librarian.*

Inspector of Public Buildings' Office.

J. Theodore Oster, *Inspector.*
William Q. Caldwell, *Assistant Inspector.*
David Cushing, *Clerk.*

Commissioners for Opening Streets.

John McWilliams.
Samuel F. Sharretts.
Danl. McCann.
Robert F. Green, *Clerk.*

Health Department.

Commissioner of Health and Registrar.

James A. Steuart, M. D.

Assistant Health Commissioner.

James F. McShane, M. D.

Resident Physician Quarantine Hospital, Port of Baltimore.

Sidney O. Heiskell, M. D.

Secretary.

A. Robert Carter.

Assistant Secretary.

George C. Vansant.

Health Department—Continued.

Assistant Registrar's Clerk and Assistant Permit Clerk.

Montgomery Lawrence.

Permit Clerk.

V. B. Hines.

Registrar's Clerk.

John T. Schroeder.

Nuisance Clerk.

R. T. Pennington.

Recorder of Births.

John F. Doyle.

Sanitary Inspectors.

Henry M. McKewen,
J. V. Fitzpatrick,
John E. Durding,
Walter C. Roberts,
John M. De Goey,
M. J. McHenry.

Annex.

D. S. Williams, M. D.,
Wm. P. Kerns,
J. B. Hart, M. D.,
C. Carter Hall.

Health Department—Continued.

Vaccine Physicians.

1st and 2d Wards.....N. L. Dashiell, Jr., M. D.
3d and 4th " .....John H. Schulte, M D.
5th and 6th " .....Frank A. Sauer, M. D.
7th and 8th " .....J. B. Schwatka, M. D.
9th and 10th " ... .Thos. H. Buckler, M. D.
11th and 12th " .....Thos. P. McCormick, M. D.
13th and 14th " .....Vernon L. Norwood, M. D.
15th and 16th " .....Joseph Blum, M. D.
17th and 18th " .....Henry Stark, M. D.
19th and 20th " .....M. K. Warner, M. D.
21st Ward.....J. B. Mullins, M. D.
22d " .....H. G. Prentiss, M. D.

Superintendent of East Baltimore Public Cemetery.

George Rinehart.

Superintendent of West Baltimore Public Cemetery.

Geo. E. Brown.

Inspector of Plumbing.

John W. Lee.

Superintendent of Eastern District Sewers.

Henry Paff.

Superintendent of Western District Sewers.

Mark F. Gorman.

Health Department—Concluded.

Superintendent of Canton Dump.

James Quinn.

Assistant Superintendent of Canton Dump.

Dennis Healy.

Superintendent of Spring Garden Dump.

Charles F. Ringold.

Assistant Superintendent of Spring Garden Dump.

John J. Kernan.

N. S. Detective.

M. A. Maloney.

Messenger.

W. H. Blondell.

Commissioner of Street Cleaning.

Bartholomew E. Smith.
Frank Dandelet, *Clerk.*

SUPERINTENDENTS OF STREETS.

Bernard V. Kelly, *First District.*
Geo. E. McCauley, *Second* "
Michael Fadgen, *Third* "
James F. Busey, *Fourth* "
Henry Lancaster, *Fifth* "
John Meagher, *Sixth* "
Jos. McGee, *Seventh* "

SUPERINTENDENTS OF ROADS.

George Chambers, 21*st Ward.*
Michael McGovern, 22*d* "

Assessor in 21st and 22d Wards.

L. G. Cook.

Arbitrators on part of City on Property in Annex.

William J. King. John S. Berry.

Belt Commissioner.

Winfield J. Taylor.

Harbor Board.

His Honor Ferdinand C. Latrobe, *Chairman.*
William H. Skinner, John W. McCoy,
James S. Woodside, Edward Roelkey,
Geo. W. Moore.
N. H. Hutton, *Engineer.*
James H. Irvin, Jr., *Clerk.*

Engineer for the Improvement of Jones' Falls.

William H. Marriott.

Superintendent of City Hall.

Wm. P. Ryan.

Day Watchmen at City Hall.

James Merritt,
John Cosgrove,
Dennis Bergin.

Night Watchmen at City Hall.

John Schlereth,
John Roney.

Engineers at City Hall.

Geo. W. Vandaniker,
Curtis B. Simonds.

Firemen at City Hall.

James Callahan,
Thomas Hooper,
Jas. Daniels,
John W. Clautice.

Conductor City Hall Elevator.

Charles Stumpf.

Park Commission.

His Honor Ferdinand C. Latrobe, *Chairman.*

D. Rayhice, *Clerk.*

Water Department.

COMMISSIONERS.

His Honor Ferdinand C. Latrobe, *President.*

John F. Hunter,
Wm. A. Marburg,
Jos. S. Heuisler,
John E. Hurst,
Francis H. Hambleton,
Clinton P. Paine.

Water Department—Continued.

Registrar's Department.

E. Shriver, *Water Registrar.*
James A. Marrian, *General Bookkeeper.*
James S. Etchberger, *Cashier.*
James J. C. Scully, *Clerk of Errors.*
Wm. Gilmor, of Wm., *Ledger Clerk.*
A. J. C. White, "
E. J. Edwards, "
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Samuel A. Hart, "
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Frank Koones, "
E. A. Hogg, *Meter and New Supply Clerk.*

District Inspectors and Bill Distributors.

Benjamin Price,
George A. Coleman,
John D. Alcock,
Leonard C. Hornick,
D. G. Carlisle,
S. L. Auerbach,
John T. Kearns,
Barney L. Hess,
George W. Emmerich, *Hydrant Inspector.*

Engineer's Department.

Robert K. Martin, *Chief Engineer.*
Wm. L. Kenly, *Engineer and Supt. of Co. Division.*
Matthew O'Brien, *Draughtsman.*
Richard D. Murphy, *Clerk.*

Baltimore City Jail.

Board of Visitors.

John Richardson, *President.*
Charles D. Gaither, *Secretary.*

Baltimore City Jail—Continued.

Hon. Ferdinand C. Latrobe, *Ex-Officio.*

A. C. N. Matthews, August Berkemeier,
John W. Keenan, H. G. Dudley.

John Waters, *Warden.*
Dr. Walter W. White, *Physician.*
Wm. H. H. Turner, *Clerk.*
Mrs. Sarah Brauhl, *Matron.*
Mrs. Frances Causey, *Assistant Matron.*
Michael Stanton, *Engineer.*
Charles Hilbing, *Baker.*
David Crotty, *Gardner.*

Deputy Wardens.

Charles F. Edwards, Thomas M. Kenny,
Wm. H. Tibbels, John T. Barber,
George H. Hummel, Wm. B. McEldon,
J. H. Darling, Thomas J. Goodrich,
Michael Kohlerman, John W. Reiter,
Thomas B. Smith, Charles Warner,
Charles A. Dwyer, George Hoffman,
Dennis Hasson, Jesse Morrison,
Michael T. Murphy, Frank Schilling,
John Garrity, *Hostler.*

Substitutes.

John C. Bransby, John H. Meyer,
Joseph C. Sanner.

Commissioners of Public Schools.

John T. Morris, *President.*

First Ward.... .....John F. Laughamer.
Second Ward.....Simon L. Felber.
Third Ward.....John B. Wentz.
Fourth Ward.....Edward A. Burke.
Fifth Ward.....William H. B. Fusselbaugh, of J.
Sixth Ward.....Jacob S. Barnes.
Seventh Ward.....John Q. McAfee.
Eighth Ward.....John T. Foley.
Ninth Ward.....Michael Sheehan.
Tenth Ward.....John T. Morris.
Eleventh Ward.....Otway B. Zantzinger.
Twelfth Ward.....Thomas P. Baldwin.
Thirteenth Ward.....John M. Jones.
Fourteenth Ward....James Bosley, M. D.
Fifteenth Ward.....Nelson Baker.
Sixteenth Ward .....James Mitchell.
Seventeenth Ward ...John E. Durding.
Eighteenth Ward....Jno. J. Fenton.
Nineteenth Ward....Samuel F. Sharretts.
Twentieth Ward.....George L. Horn, M. D.
Twenty-first Ward...Alcaeus Hooper.
Twenty-second Ward.A. W. Monroe.

Henry M. Cowles, *Secretary.*
Albert Marshall, *Assistant Secretary.*
Henry A. Wise, *Superintendent of Instruction.*
John E. McCahan, *Assistant Superintendent.*
Christian W. Keidel, *Superintendent of Supplies.*
Francis J. Ruth, *Librarian.*

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Jacob Pappler, Adolph Martini.

John F. Stone, *Superintendent.*
John M. McElroy, *Purveyor.*
John R. Hammett, *Clerk and Storekeeper.*
Susan McCahan, *Matron.*
Wm. Kaiser, *Engineer.*
James J. Farrell, *Assistant Engineer.*
John F. Barringer, *Gardner.*
Thomas Connor, *Messenger.*
Chas. Jones, *Baker.*
Thomas McKinley, *Carriage Driver.*

Medical Department.

Dr. N. T. Carswell, } *Resident Physicians.*
Dr. Archie C. Harrison, }
Dr. Wm. E. Ramsey, *Insane Hospital.*
Dr. C. L. Sommers, *Assistant Insane Hospital.*
Dr. Justus V. Stehl, *Apothecary.*

Agent of Baltimore City for the Deaf and Dumb.

William R. Barry.

Directors on Behalf of the City in the Female House of Refuge.

Leopold Strouse,
P. Macaulay Birckhead,
Daniel Greenbaum,
James W. Denny,
W. T. Biedler,
J. H. Scarff.

Managers on part of the City of St. Mary's Industrial School.

E. J. Codd, Thomas Fryer, Andrew W. Woodall,

Managers of House of Refuge on the part of the City.

Dr. John G. Morris,
George W. Wood,
Wm. A. Knapp,
Dr. J. D. Iglehart,
Henry C. James,
Charles Poe,
Samuel H. Lyon,
John A. J. Dixon,
Louis Strasburger.

Managers on the part of the City for the House of Reformation and Instruction for Colored Children.

Charles T. Boehm, George J. Zimmerman.

Managers on the part of the City in the Industrial Home for Colored Girls.

Francis P. Stevens, Aquilla H. Greenfield.

Directors on the part of the City in the Baltimore and Ohio Railroad Company.

Gilmor Meredith, Robert Ober,
T. M. Lanahan, Joseph B. Stafford,
John R. Seemuller, Henry G. Curtin,
B. H. Farren.

Directors on the part of the City in the Union Railroad Company.

John S. Leib, W. B. McAtee.

Visitor to Enoch Pratt Free Library.

W. B. McAtee.

Directors on the part of the City in the Western Maryland Railroad Company.

J. M. Hood, *President.*

Christian Devries, William A. Boyd,
T. Edward Hambleton, John C. Legg,
E. G. Hipsley, William S. Rayner,
Levi Weinberger, Samuel H. Tagart.

Directors on the part of the City in the Valley Railroad Company.

Henry Duvall, Decatur H. Miller, Osmun Latrobe.

Harbor Masters.

First District.....Joseph E. Cromwell.
Second " .....William Knorr.
Third " .....Burgwyn Maitland.
Fourth " .....James J. Flannery.
Fifth " .....Geo. A. Freburger.
Sixth " .....Charles Durm.

Inspectors of Weights and Measures.

Northwestern District.....John A. Haeffner.
Northeastern " .....William Henry.
Southwestern " .....John C. Dietz.
Southeastern " .....Francis Herr.

Inspector of Long and Dry Measures.

William Bond.

Inspector of Coal Oil and Illuminating Gas.

Prof. P. B. Wilson.

General Superintendent of Lamps and Inspector and Sealer of Gas Meters.

Frederick W. King.

Inspector of Charcoal.

George W. Busch.

Distributors of Fund for the Relief of the Widows of those who Fell in Defence of the City in 1814.

Findley H. Burns, George Small.

Superintendent of Court House, Record Office and Grounds.

James W. Geddes.

Watchman at Court House.

Daniel Barr.

Janitor of Old Masonic Hall Building.

James Donnelly.

Watchman at Old Masonic Hall Building.

William Larkin.

Janitor of the Orphans' Court.

William J. Burk.

Keeper of Drawbridge.

George Konig.
William H. Konig, *Assistant.*

Keeper of Washington Monument.

Wm. Rennie.

Keeper of Harman's Bridge.

Wm. Hissey.

Keeper of North, Calvert, and St. Paul Street Bridges.

James T. Mulligan.

Keeper of Dog Pound.

Michael Noon.

Clerk of Centre Market.

Daniel A. L. Murray.
John F. Bracken, *Assistant Clerk.*

Clerk of Lexington Market.

William H. Pope.
George T. Nicholson, *Assistant Clerk.*

Clerk of Fell's Point Market.

Frederick Buckheimer.

Clerk of Belair Market.

Joseph H. Wright.

Clerk of Hollins Market.

James Biden.

Clerk of Hanover Market.

John H. Mortimer.

Clerk of Richmond Market.

George H. Clifton.

Clerk of Lafayette Market.

Thomas Briddell.

Clerk of Cross Street Market.

James Graham.

Clerk of Northeastern Market.

Michael Kunkel.

Clerk of Canton Market.

Daniel Cadden.

Keeper of Hall over Broadway Market.

Joseph Schwarzkopf.

Keeper of Market under Maryland Institute.

John H. Bogue.

Commissioners of Union Square.

Andrew J. Fairbank, Hiram G. Dudley,
William H. Kelly.

Commissioners of Lafayette Square.

James L. Frey, Samuel P. Morton, H. G. Vickery.

Commissioners of Franklin Square.

Henry W. Roane, Dr. N. F. Hill, John F. Adams.

Commissioners of Eutaw Place Squares—First Division.

L. W. Gunther, A. G. Stabler, William H. Blackford, A. C. Trippe.

Commissioners of Eutaw Place Squares—Second Division.

George W. Wood, T. Edw. Hamilton, George J. Popplein.

Commissioners of Mount Vernon Squares.

Thomas M. Lanahan, Robert Garrett, Dr. St. George W. Teackle.

Commissioners of Madison Square.

John Glady, R. W. McCubbin, Geo. Kilchenstine.

Commissioners of Jackson Square.

Hiram Wiesenfeld, John W. Bay, John H. Adams.

Commissioners of Harlem Park.

John W. Linton, Jas. R. Marley, Wm. P. Reese.

Commissioners of Eastern City Spring Square.

Philip Wolf, Geo. W. Cunningham, Alfred H. Walker.

Commissioners of Broadway Squares—First Division.

T. C. Weeks, A. McClintock, Herman A. Klemper.

Commissioners of Broadway Squares—Second Division.

J. W. Keefer, John Cox, Louis Zink.

Commissioners of Perkins' Spring Square.

Joseph Harris, J. Frank Wilhelm, Byron Sheffield.

Commissioners of Park Place.

Frank Frick, Faris C. Pitt, Lawrence Turnbull,

Commissioners of Taney Place.

Jno. W. Poisal, Samuel Henry, A. B. Clark.

Commissioners of Ashland Square.

James Sapp, Edward G. Medinger, Richard S. Bridge.

Commissioners of Mount Royal Avenue Square.

Frank Frick, Henry E. Baltzell, R. W. Templeman.

Commissioners of Fulton Avenue Squares and Circle at Baker street and Fulton avenue.

Henry Allnutt, John T. Ford, Wm. J. Miller.

Keeper of Madison Square.

John Baker.

Keeper of Perkins' Spring Square.

John Garey.

Keeper of Union Square.

George Price.

Keeper of Harlem Park.

William Sheehan.

Keeper of Lafayette Square.

Henry Manion.

Keeper of Franklin Square.

Wm. H. Hess.

Keeper of Eastern Fountain.

Francis Brashears.

Keeper of Broadway Squares—First Division.

Frederick Williams.

Keeper of Broadway Squares—Second Division.

James K. P. Fredericks.

Keeper of Mount Royal Avenue Square.

Peter Needham.

Keeper of Ashland Square.

John C. Gareis.

Keeper of Jackson Square.

Herman Kumlehn.

Keeper of Taney Place.

Aug. Bechtold.

Ward Managers of the Poor.

First Ward.....Moses Fleishman.
Second Ward.....George Schaeffer.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Charles F. O'Conor.
Fifth Ward.....C. Crane.
Sixth Ward.....James E. Sturgeon.
Seventh Ward.....Alexander Bond.
Eighth Ward.....Michael Hagan.
Ninth Ward.....Thomas Gordon.
Tenth Ward.....Michael Hess.
Eleventh Ward.....Charles F. Taylor.

Ward Managers of the Poor—Continued.

Twelfth Ward.....R. G. Keene.
Thirteenth Ward.....William J. Baker.
Fourteenth Ward.....T. P. Perine.
Fifteenth Ward.....Joseph J. Harig.
Sixteenth Ward.....Peter Hines.
Seventeenth Ward.....Wm. L. P. Riggin.
Eighteenth Ward.....John P. Fahey.
Nineteenth Ward.....George A. Smith.
Twentieth Ward.....John B. Thomas, Jr.

Superintendents of Lamplighters.

Joshua E. Stinchcomb,
Benjamin Crisp,
Charles D. Moore,
Andrew Ryan,
Richard E. Hardin,
J. Edward Bacon.

Lamplighters.

First Ward—John Potter,
Stephen Flaherty,
Michael Herr,
John Musch,
Francis Connors.

Second Ward—John Schmitt.
John E. Kelly,
Conrad Ellers,
Francis Curran,
George M. Frank.

Lamplighters—Continued.

Third Ward—Henry Bauerfine,
Henry Kimmelman,
Michael Roeset,
George W. Bandle,
Charles Hitroth,
John G. Moore, *at large.*

Fourth Ward—Adam Friebert,
Wm. Killen,
John Spellman,
Carston Schultz,
Jerry Harrigan,

Fifth Ward—John W. Disney,
J. Ahearns,
James Start,
Geo. Peters,
John McGovern.

Sixth Ward—William Armstrong,
Thomas J. Duvall,
Anton Grieb,
John Klima,
Samuel McJilton.

Seventh Ward—Henry Keagle,
Frank Conrad,
Andrew Emeline,
Adam Strebb,
Geo. J. Gundel.

Lamplighters—Continued.

Eighth Ward—Henry Burns,
William Holden,
Thomas May,
Frank Gutberlet,
Francis R. J. Grogan.

Ninth Ward—Lewis J. Hess,
George H. Smith,
Benjamin Tall,
John Fox,
Jno. Garrity.

Tenth Ward—Max Kohlenstil,
Joseph Barkman,
Michael Tuttle,
Valentine Baum,
Joseph Johnson.

Eleventh Ward—John Duane,
William F. Farley,
William V. McCann,
Wm. H. Lockwood,
Jacob Pollety,
John Rinn.

Twelfth Ward—Thomas Rooney,
Thomas Hand,
Dennis Hogan,
George W. Courts,
James Braden.

Lamplighters--Continued.

Thirteenth Ward—Jno. Childs,
Ed. J. Schnur,
Mark McBride,
William Collins
James Gillan.

Fourteenth Ward—Hugh Potter, *at large.*
John Fitzgerald.
Jas. Mooney,
Jas. Fitzsimmons,
Michael Thorne,
John Boyd.

Fifteenth Ward—Michael Ragan,
William Hoffman,
Michael Fahey,
Charles Hohn,
Wm. H. Caulk.

Sixteenth Ward—Daniel Zimmer,
William F. Watkins,
Charles Wengerstzahn,
John Belschner,
H. Kroeger.

Seventeenth Ward—Thomas Cunningham,
John Ranft,
William Amey,
John McMann,
Thomas Doyle,
Philip Kimmell.

Lamplighters—Continued.

Eighteenth Ward—John Benson,
Samuel R. Brown,
John Jeffers,
Fred. A. Shanefelter,
Michel Wrignan.

Nineteenth Ward—Bernard McGuirk,
John Chambers,
William E. Coale,
Dennis J. Myers,
Stephen L. Hurley.

Twentieth Ward—William J. Egan,
Jas. McDermott,
Nathan Wright,
George A. Lapp,
F. G. Wutz.

Twenty-first Ward—H. Melling,
W. Stapf,
W. H. Pease,
H. C. Preuss,
J. Kepple,
Chas. Forsyth,
Chas. Steiks,
Wm. H. Darenberger.

Lamplighters—Continued.

Twenty-second Ward—Chris. Fisher,
G. H. McCauley,
A. Koerner,
E. N. Dorsey,
Chas. Mullen,
A. H. Lutts,
J. Knight,
P. Dignan,
J. Kidd,
V. Miller,
Geo. W. Fisher.
Geo. M. Hargert,
Henry D. Brown.

Constables.

First	Ward	Horatio Wallace.
"	"	George T. Hollyday.
Second	"	Wm. J. Broom.
"	"	
Third	"	John H. Calvert.
"	"	
Fourth	"	George McCart.
"	"	G. Koffenberger.
Fifth	"	Lewis O. Fieller.
"	"	Sabert S. Umphreys.
Sixth	"	William W. Rollins.
"	"	Charles P. Dunigan.
Seventh	"	Charles C. Swope.
"	"	
Eighth	"	David Dobler.
"	"	George H. Winchester.

Constables—Continued.

Ninth	Ward	Thomas H. Shanks.
"	"	
Tenth	"	William P. Smith.
"	"	Edward A. Keyser.
Eleventh	"	Louis Weber.
"	"	Andrew D. Greentree.
Twelfth	"	Stephen A. Morse.
"	"	Andrew J. Collars.
Thirteenth	"	Nicholas J. Schaefer.
"	"	Charles B. Keyser.
Fourteenth	"	Charles A. Davis.
"	"	
Fifteenth	"	William B. Lyons.
"	"	Richard O. Jessop.
Sixteenth	"	Theophilus N. Weems.
"	"	Josiah S. Showacre.
Seventeenth	"	D. P. West.
"	"	James McCracken.
Eighteenth	"	Charles Cook.
"	"	
Nineteenth	"	William H. McCabe.
"	"	Charles G. Recaud.
Twentieth	"	John K. Stine.
"	"	Jas. E. Sangston.

Officers of the Fire Department.

Fire Commissioners.

J. Alexander Preston, *President.*

John F. Hunter, S. W. Regester.

Secretary and Clerk.

David H. Lucchesi.

Chief Engineer.

John M. Hennick.

Assistant Engineers.

George W. Ellender, Thomas F. Murphy.

Superintendent of Police and Fire Alarm Telegraph.

Charles J. McAleese.

Superintendent of Machinery.

George J. Linsenmeyer.

Operators—H. P. Lucas, Alexander Crummer, F. L. McAleese, J. F. O'Mailey.

Substitute Operator—J. J. McCoy, Jr.

Lineman—J. M. Nugent.

Assistant Lineman—C. J. Hellings.

" " —Samuel Knouse.

Batteryman—Robert Kain.

No. 1 *Engine.*

Jacob H. Hayward..... *Captain.*
Charles E. Freeburger..... *Engineman.*
Thomas H. Meushaw..... *Ass't Engineman.*
Lewis J. Fresh..... *Driver.*
George S. Stocksdale..... *Fireman.*
Edward R. Addison..... "
Jos. Lavinder..... "
John H. Osing..... "
George W. Minton..... "
Al. Oelman..... "
W. C. McAfee..... "
W. H. C. Laughlin..... "

No. 2 *Engine.*

John J. Leddon..... *Captain.*
Thomas E. Wheatley..... *Engineman.*
J. P. Whalen..... *Ass't Engineman.*
John Boyd..... *Driver.*
W. R. Bolgiano..... *Fireman.*
Thomas S. Rodenhi..... "
Charles Romoser..... "
James Humes..... "
Charles H. Hammel..... "
Louis Abel..... "
William Eckert..... "
Charles Eichelberger..... "

No. 3 *Engine.*

Richard A. Lindsay..... *Captain.*
Thomas H. Humphreys..... *Engineman.*
Patrick F. Moriarty..... *Ass't Engineman.*
John F. Pierce..... *Driver.*
Benjamin Price..... *Fireman.*
James L. Lindsay..... "
William F. Pasterfield..... "
Thomas Howard..... "
Louis Schlisun..... "
William M. Burns..... "
R. H. Dougherty..... "

No. 4 *Engine.*

George W. Horton..... *Captain.*
Frank K. Conway..... *Engineman.*
John Gaffney..... *Ass't Engineman.*
Andrew J. Connelly..... *Driver.*
Constant Seibert..... *Fireman.*
George W. Bentz..... "
James Allen..... "
Ernest Schultz..... "
James H. Dailey..... "
Wilmer West..... "
James Burke..... "
Henry Bierman..... "

No. 5 Engine.

William G. Miller..... *Captain.*
Frederick L. Nelson..... *Engineman.*
John N. Bletzer..... *Ass't Engineman.*
Henry Murphy..... *Driver.*
William B. Baker..... *Fireman.*
James Reilly..... "
William T. Disney..... "
Charles E. DeWitt..... "
James T. Pearl..... "
John H. Reitz..... "
Joshua H. Miller..... "
John G. Baker..... "

No. 6 Engine.

Bernard Shaw..... *Captain.*
Matthew Mulligan..... *Engineman.*
J. F. Sexton..... *Ass't Engineman.*
John Clark..... *Driver.*
B. F. Seipp..... *Fireman.*
Lawrence Blake..... "
George Mineburg..... "
James Gallagher..... "
Charles Betz..... "
F. C. H. Berger..... "
Samuel McCloskey..... "

No. 7 *Engine.*

George H. Houck.....*Captain.*
Jacob S. Corns.....*Engineman.*
Thomas L. Brown.....*Ass't Engineman.*
Francis Hart.....*Driver.*
William F. Morrow.....*Fireman.*
J. J. Houck..... "
John Gildea..... "
Louis Scheive..... "
Samuel A. Seymour..... "
John B. Bartell..... "
John Kelly..... "

No. 8 *Engine.*

Edward C. Keyser.....*Captain.*
Michael F. Walsh.....*Engineman.*
C. P. Kahan.....*Ass't Engineman.*
William J. Stewart.....*Driver.*
G. R. Chapman.....*Fireman.*
A. J. Walter..... "
Owen D. Burgess..... "
Frederick Johnson..... "
Charles Airy..... "
Morris Rosenthal..... "
Jacob Rupp..... "

No. 9 *Engine.*

David H. Macaulay..... *Captain.*
Daniel R. Rogers..... *Engineman.*
William H. Stanton..... *Ass't Engineman.*
Joseph P. Kelly..... *Driver.*
James McDevitt..... *Fireman.*
Charles C. Neilson..... "
Solomon Uhlfelder..... "
Charles Fry..... "
Lemuel Piercey..... "
John H. Cruse..... "
W. F. Cuddy..... "

No. 10 *Engine.*

William R. Ward..... *Captain.*
John W. Walsh..... *Engineman.*
James Nugent..... *Ass't Engineman.*
George W. Thorpe..... *Driver.*
Jesse G. Keilholtz..... *Fireman.*
William Brady..... "
Samuel W. Marker..... "
Jacob J. Brady..... "
James Scott..... "
William Perner..... "
Henry Zackerman..... "

No. 11 *Engine.*

Andrew Perry..... *Captain.*
John Calder..... *Engineman.*
John Lindeman..... *Ass't Engineman.*
Antone Kemp..... *Driver.*
H. R. Seippel..... *Fireman.*
Albert H. Gier..... "
Charles P. Nelson..... "
R. V. Pittinger..... "
Michael A. Lind..... "
George Croucher..... "
John Koos..... "

No. 12 *Engine.*

Thomas Fitzpatrick..... *Captain.*
Michael Lycett..... *Engineman.*
Thomas S. Atkinson..... *Ass't Engineman.*
Joseph W. Moon..... *Driver.*
Edward C. Klessell..... *Fireman.*
Benjamin T. Wirts..... "
James Catterton..... "
George Steckman..... "
Charles Windus..... "
Wm. Henkel..... "
Thos. Voyce..... "

No. 13 *Engine.*

John Hoffman..... *Captain.*
John H. Deal..... *Engineman.*
John A. Bannon..... *Ass't Engineman.*
Thomas H. Wright..... *Driver.*
Philip Bowen..... *Fireman.*
Laurence Pistel..... "
Wilbur Pierce..... "
James Keyser..... "
William R. Lashorne..... "
Lee Conn..... "
William Lynch..... "

No. 14 *Engine.*

Wm. R. E. L. Mears..... *Captain.*
Samuel W. Stansbury..... *Engineman.*
John Conway..... *Ass't Engineman.*
Wm. H. Dunn..... *Driver.*
J. Oscar Healey..... *Fireman.*
Charles H. Baker..... "
Allen Orem..... "
Howard Scott..... "
Philip Brady..... "
J. Tell Stewart..... "
James Baldwin..... "

No. 1 *Hook and Ladder.*

G. Albert Cassedy..... *Captain.*
John T. Harvey..... *Tillerman.*
John T. Mulligan..... *Driver.*
William E. Van Rossum..... *Ladderman.*
John B. Keene..... "
Thomas B. Strahan..... "
Frederick Oelmann, Jr..... "
William H. Hartman..... "
Lewis Battee..... "
Cooper Elliott..... "
Aug. Emerick..... "
Wm. E. Smith..... "

No. 2 *Hook and Ladder.*

Frederick Brannan..... *Captain.*
Charles Rolf..... *Tillerman.*
Thomas Montgomery..... *Driver.*
John W. Blake..... *Ladderman.*
Charles Stewart..... "
John R. Farr..... "
John C. Fagan..... "
Fred. Schaeffer..... "
John W. Kelly..... "
Wm. H. Thomas..... "
John Fredericks..... "
Robert M. Brown..... "

No. 3 *Hook and Ladder.*

George W. Foxwell..... *Captain.*
Louis Laux..... *Tillerman.*
William Baker..... *Driver.*
John M. Downs..... *Ladderman.*
Andrew German..... "
John McClellan..... "
John A. Sauers..... "
T. Benjamin Levey..... "
Wilbur F. Clark..... "
John Croucher..... "
George Little..... "

No. 4 *Hook and Ladder.*

Andrew Bilson..... *Captain.*
William White..... *Tillerman.*
J. B. Kelly..... *Driver.*
John G. Gill..... *Ladderman.*
J. H. Morgan..... "
George W. Allen..... "
Patrick Burns..... "
George Wohllebar..... "
M. J. McCormick..... "
John Kurne..... "
Geo. W. Paff..... "
Wm. A. Meushaw..... "

No. 5 Hook and Ladder.

Albert Ramia..... *Captain.*
George W. Haskell..... *Tillerman.*
William H. Ryan..... *Driver.*
Fielding H. Lucas..... *Ladderman.*
William Quinn..... "
William H. Riley..... "
William Wiley..... "
Thomas Strahler..... "
Alex. D. Chrismer..... "
Martin Kirby..... "
Wm. I. Johns..... "
Benj. Fry..... "

No. 6 Hook and Ladder.

William A. Larkins..... *Captain.*
T. D. O'Keefe..... *Tillerman.*
George D. Taylor..... *Driver.*
Wm. F. Beall..... *Ladderman.*
James Gill..... "
Geo. W. Cassedy..... "
Albert Squires..... "
L. J. Broadwater..... "
Charles Causey..... "
Wm. E. Burrier..... "
James Elliott..... "
Wm. Kaehler..... "

Fire Department—Annex.

Wm. W. Dunn, *Superintendent.*

No. 1 *Chemical Engine Co.*

Edward N. Steinecker.....*Captain.*
John L. Durham.....*Hostler.*
Andrew McCormick.....*Fireman.*

No. 2 *Chemical Engine Co.*

James H. Merrick.....*Captain.*
James K. Merriken.....*Hostler.*
James R. White.....*Fireman.*

No. 3 *Chemical Engine Co.*

Jos. C. McGregor.....*Captain.*
John W. Potts.....*Hostler.*
Robert P. McFarland.....*Fireman.*

No. 4 *Chemical Engine Co.*

Wm. H. Taylor.....*Captain.*
John P. Kidd.....*Hostler.*
Ralph S. Ferguson.....*Fireman.*

No. 5 *Chemical Engine Co.*

John McKenzie.....*Captain.*
John Myers.....*Hostler.*
John Lachman.....*Fireman.*

No. 6 Chemical Engine Co.

Frank Maher.....*Captain.*
Michael Farley.....*Hostler.*
Ed. G. Kipp.....*Fireman.*

No. 7 Chemical Engine Co.

James P. Morris.....*Captain.*
James L. Clarken.....*Hostler.*
Albert Kailor.....*Fireman.*

No. 7 Hook and Ladder Co.

Owen McGreevy.....*Hostler.*

No. 8 Hook and Ladder Co.

Geo. W. Neighoff.....*Hostler.*

No. 9 Hook and Ladder Co.

Wm. H. Cammel.....*Hostler.*

Judges and Clerks of Courts.

Hon. Henry D. Harlan,
" J. Upshur Dennis,
" William A. Stewart,
" Charles E. Phelps,
" Edward Duffy,
" Daniel Giraud Wright.

Clerk of the Superior Court.
James Bond.

Clerk of the Court of Common Pleas.
John T. Gray.

Clerk of the Circuit Court.
Alvin Robertson.

Clerk of the Circuit Court No. 2.
John H. Suter.

Clerk of the Criminal Court.
John S. Bullock.

Clerk of the City Court.
Henry A. Schultz.

COMMITTEES

— OF THE —

CITY COUNCIL OF BALTIMORE,

FOR THE YEAR 1889.

Joint Standing Committees.

WAYS AND MEANS.

First Branch.	*Second Branch.*
Fowler, E. H.	Sutherland, Dr. J. B.
Fairbank, A. J.	Leonard, John F.
Stabler, Jr., E.	Crowl, H. Webster.

BRIDGES.

First Branch.	*Second Branch.*
Kemp, Richard C.	Crowl, H. W.
Brown, A.	Beck, Louis
Riehl, C. F.	Brown, Chas. W.

WATER.

First Branch.	*Second Branch.*
Bailey, John R.	Sutherland, B. F.
Betz, Jr., John	Leonard, John F.
Kurtz, F. A.	Brown, Charles W.

CLAIMS.

First Branch.	*Second Branch.*
Stabler, Jr., E.	Wiener, C. J.
Kemp, Richard C.	Rogers, H. W.
Kurtz, F. A.	Crowl, H. W.

HIGHWAYS.

First Branch.	*Second Branch.*
Karsner, C. J.	Beck, Louis
Stabler, Jr., E.	Hayden, Francis J.
Keller, Dr. J. G.	Rogers, H. W.

HEALTH.

First Branch.	*Second Branch.*
Keller, Dr. Josiah G.	Sutherland, Dr. J. B.
McIntire, Wm. W.	Leonard, John F.
Bailey, John R.	Hoffman, E. M.

MARKETS.

First Branch.	*Second Branch.*
Budnitz, Emil	Beck, Louis
Keller, Dr. J. G.	Brown, Charles W.
Ogle, Robert	Hoffman, E. M.

CITY PROPERTY.

First Branch.	*Second Branch.*
McMahon, T.	Rogers, H. W.
Ogle, Robert	Sutherland, B. F.
Brown, Wm. H.	Hoffman, E. M.

EDUCATION.

First Branch.	*Second Branch.*
Fowler, Edward H.	Wiener, Charles J.
Maloney, Timothy	Crowl, H. Webster
Budnitz, Emil	Hoffman, Ed. M.

McDONOGH BEQUEST.

First Branch.	*Second Branch.*
Cook, J. D.	Hoffman, E. M.
Maloney, Timothy	Wiener, Charles J.
Budnitz, Emil	Rogers, H. W.

HOUSE OF REFUGE.

First Branch.	*Second Branch.*
Fairbank, A. J.	Crowl, H. W.
Kampe, F. H.	Hoffman, E. M.
McIntire, W. W.	Sutherland, Dr. J. B.

INTERNAL IMPROVEMENTS.

First Branch.	*Second Branch.*
Brown, William H.	Rogers, H. W.
Bateman, T. B.	Crowl, H. W.
Stabler, Jr., E.	Wiener, Charles J.

FIRE DEPARTMENT.

First Branch.	*Second Branch.*
Keller, Dr. J. G.	Leonard, John F.
McIntire, W. W.	Sutherland, B. F.
Bailey, J. R.	Rogers, H. W.

POLICE AND JAIL.

First Branch.	*Second Branch.*
McIntire, W. W.	Sutherland, B. F.
Kurtz, F. A.	Beck, Louis
Karsner, C. J.	Wiener, C. J.

HARBOR.

First Branch.	*Second Branch.*
Brown, Andrew	Hayden, F. J.
Riehl, C. F.	Sutherland, J. B.
Ogle, Robert	Beck, Louis

CITY PASSENGER RAILWAYS.

First Branch.	*Second Branch.*
Riehl, C. F.	Beck, Louis
Bailey, John R.	Sutherland, Dr. J. B.
Brown, Andrew	Hayden, F. J.

ALMHOUSE.

First Branch.	*Second Branch.*
McMahon, T.	Brown, Charles W.
Ogle, Robert	Sutherland, B. F.
Riehl, C. F.	Hayden, F. J.

JONES' FALLS.

First Branch.	*Second Branch.*
Bailey, J. R.	Hayden, F. J.
McMahon, T.	Hoffman, E. M.
McIntire, W. W.	Leonard, J. F.

PARKS.

First Branch.	*Second Branch.*
Ogle, Robert	Sutherland, Dr. J. B.
Fairbank, A. J.	Sutherland, B. F.
Brown, W. H.	Hoffman, E. M.

COMMERCE AND MANUFACTURES.

First Branch.	*Second Branch.*
Kampe, F. H.	Brown, Charles W.
Bateman, T. B.	Hayden, F. J.
Betz, Jr., J.	Hoffman, E. M.

PRINTING.

First Branch.	*Second Branch.*
Kurtz, F. A	Sutherland, Dr. J. B.
Kampe, Frank H.	Leonard, John F.
Stabler, Jr., E.	Brown, Charles W.

ENROLLMENT.

First Branch.	*Second Branch.*
McIntire, W. W.	Wiener, Charles J.
Karsner, Cecil J.	Crowl, H. W.

Joint Special Committee for the Introduction of the Waters of the Gunpowder River into the City.

First Branch.	*Second Branch.*
McMahon, T.	Leonard, John F.
Bailey, John R.	Crowl, H. W.
Kurtz, F. A.	Sutherland, B. F.
Brown, Wm. H.	Wiener, C. J.
Betz, Jr., J.	Beck, Louis

Joint Select Committees.

REGISTER'S ACCOUNTS.

First Branch.	*Second Branch.*
Betz, Jr., John	Hoffman, E. M.
Stabler, Jr., Edward	Wiener, Chas. J.
Karsner, C. J.	Rogers, H. W.

COMMISSIONER OF PUBLIC SCHOOL ACCOUNTS.

First Branch.	*Second Branch.*
Fairbank, A. J.	Sutherland, B. F.
Ogle, Robt.	Sutherland, Dr. J. B.
Budnitz, Emil	Brown, C. W.

COMMISSIONERS OF FINANCE ACCOUNTS.

First Branch.	*Second Branch.*
Karsner, C. J.	Sutherland, Dr. J. B.
Kurtz, F. A.	Wiener, C. J.
McIntire, W. W.	Crowl, H. W.

COMPTROLLER'S ACCOUNTS.

First Branch.	*Second Branch.*
Betz, Jr., John	Wiener, C. J.
Fowler, E. H.	Beck, Louis
Cook, John D.	Hoffman, E. M.

WATER COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
McGarry, J. A.	Brown, C. W.
Kemp, Richard C.	Sutherland, B. F.
Kampe, F. H.	Leonard, John F.

CITY COMMISSIONER'S AND HARBOR COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
McIntire, W. W.	Rogers, H. W.
Stabler, Jr., Edward	Beck, Louis
Karsner, C. J.	Sutherland, Dr. J. B.

HEALTH COMMISSIONER'S ACCOUNTS.

First Branch.	*Second Branch.*
Kurtz, F. A.	Leonard, John F.
Riehl, Charles F.	Crowl, H. W.
Bailey, John R.	Sutherland, B. F.

COMMISSIONERS OF FIRE DEPARTMENT ACCOUNTS.

First Branch.	*Second Branch.*
McIntire, W. W.	Crowl, H. W.
Karsner, C. J.	Beck, L.
Kurtz, F. A.	Leonard, John F.

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